

# ALPINE® SERVICE MANUAL

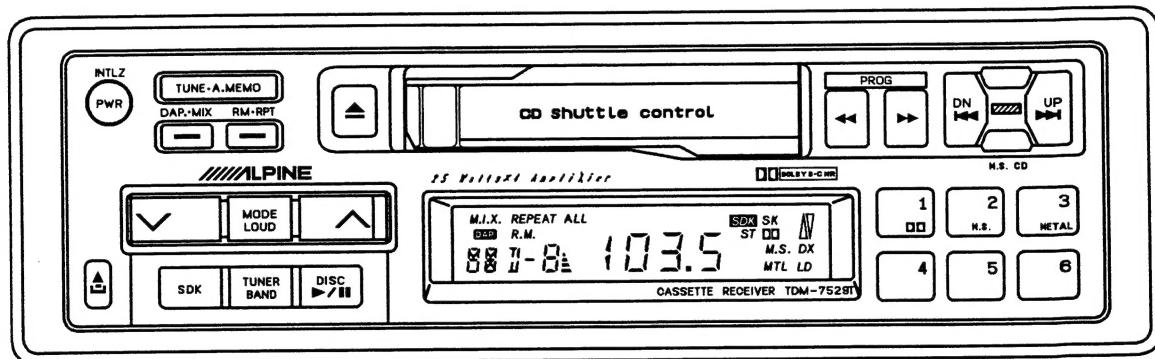
**TDM-7529T/7526T FM/MW/SDK Cassette Receiver**

**TDM-7529F/7526F FM/MW Cassette Receiver**

**TDM-7526W FM/LW Cassette Receiver**

## **CD Shuttle Controller**

- For the cassette deck mechanism parts (GS75A010/020) of this model, refer to the Service Manual • GS Series (68P61027W01).



**TDM-7529T/7526T  
TDM-7529F/7526F  
TDM-7526W**

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Spare Schematic Diagram Inserted.

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# Specifications

## FM RADIO

Intermediate Frequency .....	10.7MHz
Frequency Range .....	87.5~108MHz
Usable Sensitivity (30dB S/N, Mono, 98.1MHz) .....	15.2dBf
-3dB Limiting Sensitivity (98.1MHz) .....	17.2dBf
S/N Ratio (Stereo, 98.1MHz) .....	54dB
Image Rejection (106.1MHz) .....	40dB
IF Rejection (90.1MHz) .....	80dB
Distortion (Input 60dB $\mu$ , 98.1MHz) .....	1%
Frequency Response (98.1MHz, Ref. 400Hz) .....	100Hz : $0 \pm 3$ dB 10kHz : $-12 \pm 3$ dB
SK Sensitivity (98.1MHz) .....	25.2dBf (○, ●)

## MW RADIO (○, □, ●, ■)

Intermediate Frequency .....	450kHz
Frequency Range .....	531~1,602kHz
Sensitivity (20dB S/N, 999kHz) .....	35dB
S/N Ratio (999kHz) .....	44dB
Image Rejection (1,404kHz) .....	60dB
IF Rejection (603kHz) .....	60dB
Distortion (999kHz) .....	1.2%
Frequency Response (999kHz, Ref. 400Hz) .....	100Hz : $-3 \pm 4$ dB 4kHz : $-12+4$ , -8dB

## LW RADIO (▲)

Intermediate Frequency .....	450kHz
Frequency Range .....	153~281kHz
Sensitivity (20dB S/N, 216kHz) .....	41dB
S/N Ratio (216kHz) .....	42dB
Image Rejection (270kHz) .....	40dB
IF Rejection (162kHz) .....	50dB
Distortion (216kHz) .....	1.2%
Frequency Response (216kHz, Ref. 400Hz) .....	100Hz : $-3 \pm 4$ dB 4kHz : $-12+4$ , -8dB

## TAPE PLAYER

Wow & Flutter (JIS, WRMS/MTT-111N) .....	0.3%
Tape Speed (MTT-111N) .....	4.76cm/sec.+3 to -1%
S/N Ratio (MTT-212N) .....	Dolby OFF : 52dB Dolby B NR : 60dB (○, □)
Distortion (MTT-118N) .....	2%
Frequency Response (Ref. 1kHz, -4dB, MTT-256) .....	63Hz~8kHz
Crosstalk (MTT-121N) .....	45dB
Separation (MTT-141N) .....	32dB

**GENERAL**

Power Supply .....	14.4V DC
Power Output/Impedance .....	11W/4ohm
Semiconductors .....	12IC's, 37Transistors, 23Diodes, 9Zener Diodes(○) 11IC's, 36Transistors, 23Diodes, 9Zener Diodes(□) 10IC's, 32Transistors, 22Diodes, 9Zener Diodes(●) 9IC's, 32Transistors, 22Diodes, 9Zener Diodes(▲) 9IC's, 31Transistors, 22Diodes, 9Zener Diodes(■)
Dimensions (W×H×D) .....	Nose : 188×58×21.8mm Chassis : 178×50×155mm
Weight.....	1.45kg

Note : Due to Continuing product improvement, specifications and designs are subject to change without notice.

(○) : For TDM-7529T Model Only, (●) : For TDM-7526T Model Only, (▲) : For TDM-7526W Model Only,  
 (□) : For TDM-7529F Model Only, (■) : For TDM-7526F Model Only, Others : Common.

**In Case of Difficulty**

	If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.
<b>Initial Turn-on After Installation</b>	
<b>Symptom/Symptôme/Síntoma</b>	<b>Cause and Solution</b>
No function or display./Fonctions inopérantes ou pas d'affichage./La unidad no funciona ni hay visualización.	<ul style="list-style-type: none"> <li>• Car's ignition is off.           <ul style="list-style-type: none"> <li>– If connected following instructions, the unit will not operate with the car's ignition off.</li> </ul> </li> <li>• Improper power lead connections.           <ul style="list-style-type: none"> <li>– Check power lead connections.</li> </ul> </li> <li>• Blown fuse.           <ul style="list-style-type: none"> <li>– Check the fuse on the rear panel of the unit; replace with the proper value if necessary.</li> </ul> </li> </ul>

**In Case of Difficulty**

<b>Radio Mode</b>	
<b>Symptom/Symptôme/Síntoma</b>	<b>Cause and Solution</b>
Unable to receive stations./Impossible de recevoir les stations./Es imposible recibir emisoras.	<ul style="list-style-type: none"> <li>• No antenna or open connection in cable.           <ul style="list-style-type: none"> <li>– Make sure the antenna is properly connected; replace the antenna or cable if necessary.</li> </ul> </li> </ul>
Unable to tune stations in the seek mode./Impossible d'accorder les stations en mode de recherche automatique./Es imposible sintonizar emisoras en el modo de búsqueda.	<ul style="list-style-type: none"> <li>• You are in a weak signal area.           <ul style="list-style-type: none"> <li>– Make sure the tuner is in the DX mode.</li> </ul> </li> <li>• If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.           <ul style="list-style-type: none"> <li>– Check your antenna connections; make sure the antenna is properly grounded at its mounting location.</li> </ul> </li> <li>• The antenna may not be the proper length.           <ul style="list-style-type: none"> <li>– Make sure the antenna is fully extended; if broken, replace the antenna with a new one.</li> </ul> </li> </ul>
Broadcast is noisy./Réception parasitée./La recepción es ruidosa.	<ul style="list-style-type: none"> <li>• The antenna is not the proper length.           <ul style="list-style-type: none"> <li>– Extend the antenna fully; replace it if it is broken.</li> </ul> </li> <li>• The antenna is poorly grounded.           <ul style="list-style-type: none"> <li>– Make sure the antenna is grounded properly at its mounting location.</li> </ul> </li> </ul>

<b>Tape Mode</b>	
	<ul style="list-style-type: none"> <li>• The tape head needs cleaning.           <ul style="list-style-type: none"> <li>– Clean the tape head.</li> </ul> </li> <li>• Incorrect Dolby NR in use. (TDM-7529T/7529F only)           <ul style="list-style-type: none"> <li>– Check Dolby NR button setting.</li> </ul> </li> </ul>

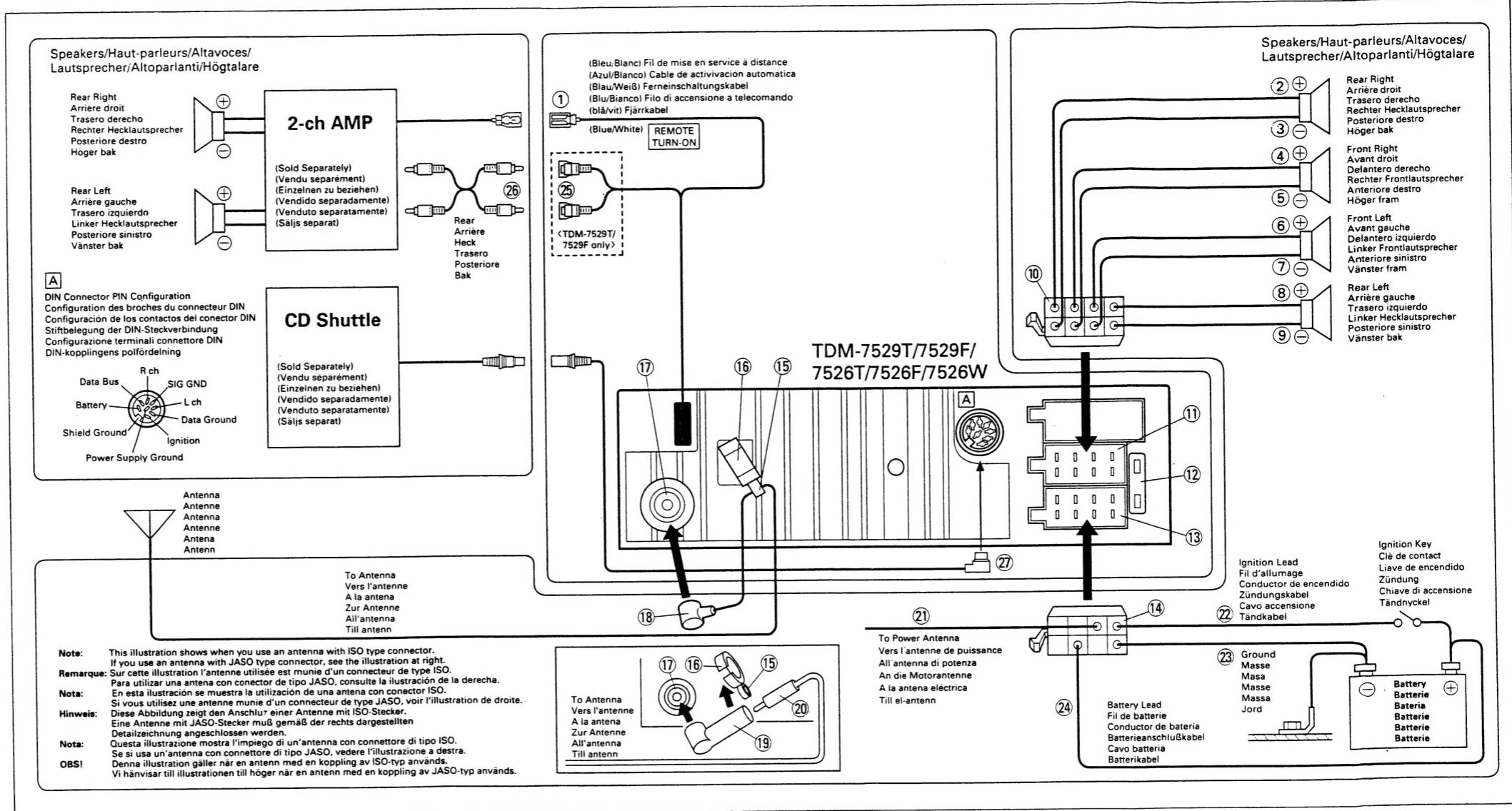
## In Case of Difficulty

CD Shuttle Mode	
Symptom/Symptome/Symptôme	Cause and Solution
CD Shuttle not functioning./Le changeur CD ne fonctionne pas./El cambiador de discos compactos no funciona.	<ul style="list-style-type: none"> <li>Out of operating temperature range +50°C (+120°F) for CD.           <ul style="list-style-type: none"> <li>Allow the car's interior (or trunk) temperature to cool.</li> </ul> </li> </ul>
CD playback sound is wavering./Le son de lecture de CD est déformé./El sonido de reproducción de un disco compacto oscila.	<ul style="list-style-type: none"> <li>Moisture condensation in the CD Module.           <ul style="list-style-type: none"> <li>Allow enough time for the condensation to evaporate (about 1 hour).</li> </ul> </li> </ul>
Unable to fast forward or backward./Avance rapide ou inversion impossibles./El disco no avanza ni retrocede.	<ul style="list-style-type: none"> <li>The CD has been damaged.           <ul style="list-style-type: none"> <li>Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.</li> </ul> </li> </ul>
Sound skips due to vibration./Pertes de son dues à des vibrations./El sonido salta debido a las vibraciones.	<ul style="list-style-type: none"> <li>Improper mounting of the CD Shuttle.           <ul style="list-style-type: none"> <li>Securely re-mount the CD Shuttle.</li> </ul> </li> <li>Disc is very dirty.           <ul style="list-style-type: none"> <li>Clean the disc.</li> </ul> </li> <li>Disc has scratches.           <ul style="list-style-type: none"> <li>Change the disc.</li> </ul> </li> </ul>
Sound skips without vibration./Pertes de son non dues à des vibrations./El sonido salta sin haber vibraciones.	<ul style="list-style-type: none"> <li>Dirty or scratched disc.           <ul style="list-style-type: none"> <li>Clean the disc; damaged discs should be replaced.</li> </ul> </li> </ul>
Single (8 cm) disc does not play./Impossible de reproduire un CD de 8 cm./No es posible reproducir un disco sencillo (8 cm).	<ul style="list-style-type: none"> <li>Single CD adaptor is not used.           <ul style="list-style-type: none"> <li>Attach a single CD adaptor (recommended by Alpine) to the single disc and insert into the CD magazine.</li> </ul> </li> </ul>

## In Case of Difficulty

Indication for CD Shuttle	
Indication/Indicación/Indicación	Cause and Solution
	<ul style="list-style-type: none"> <li>Protective circuit is activated due to high temperature.           <ul style="list-style-type: none"> <li>The indicator will disappear when the temperature returns to within operation range.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>Malfuction in the CD Shuttle.           <ul style="list-style-type: none"> <li>Consult your Alpine dealer.</li> <li>Press the magazine eject button and pull out the magazine. Check the indication. Insert the magazine again. If the magazine cannot be pulled out, consult your Alpine dealer.</li> </ul> </li> <li>Magazine ejection not possible.           <ul style="list-style-type: none"> <li>Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>A disc is left inside the CD Shuttle.           <ul style="list-style-type: none"> <li>Press the EJECT button to activate the eject function. When the CD Shuttle finishes the eject function, insert an empty CD magazine into the CD Shuttle to receive the disc left inside the CD Shuttle.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>Misconnection or disconnection of the CD Shuttle.           <ul style="list-style-type: none"> <li>Check connections between the CD Shuttle and the control unit.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>No magazine is loaded into the CD Shuttle.           <ul style="list-style-type: none"> <li>Insert a magazine.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>No indicated disc.           <ul style="list-style-type: none"> <li>Choose another disc.</li> </ul> </li> </ul>

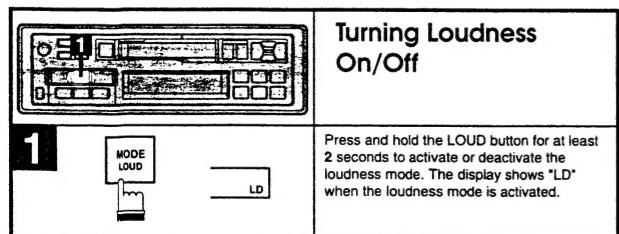
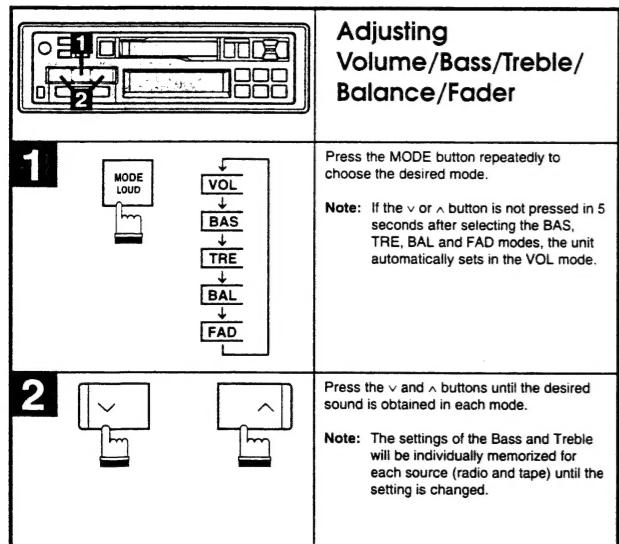
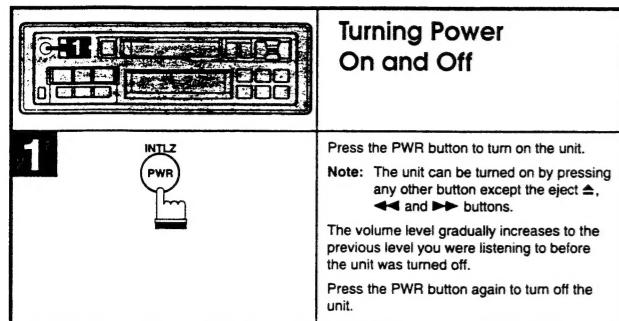
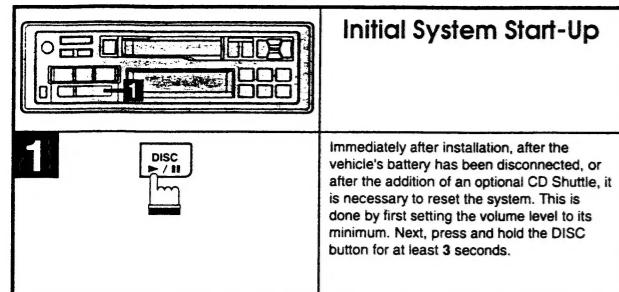
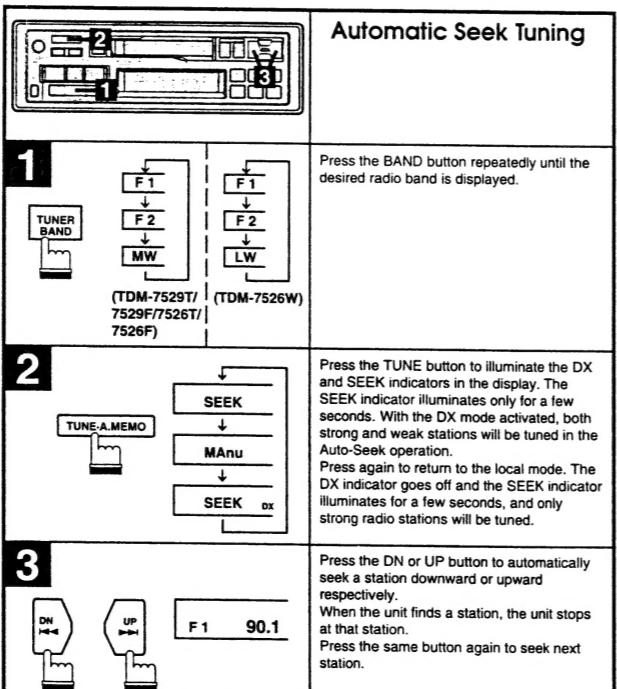
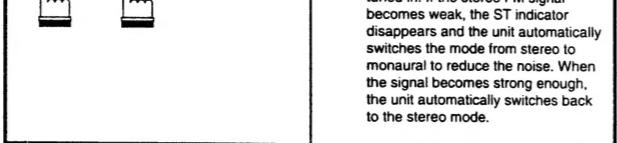
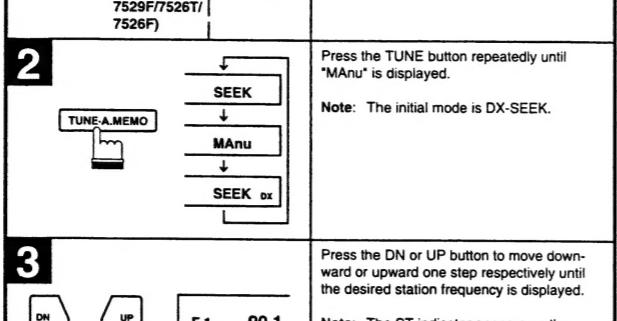
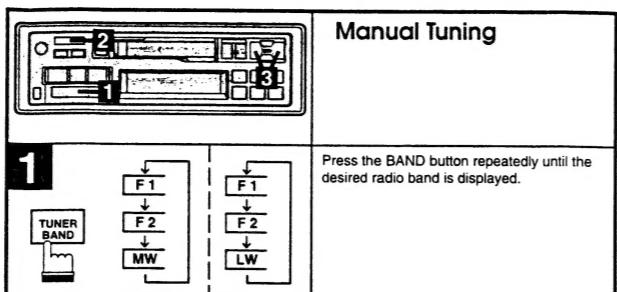
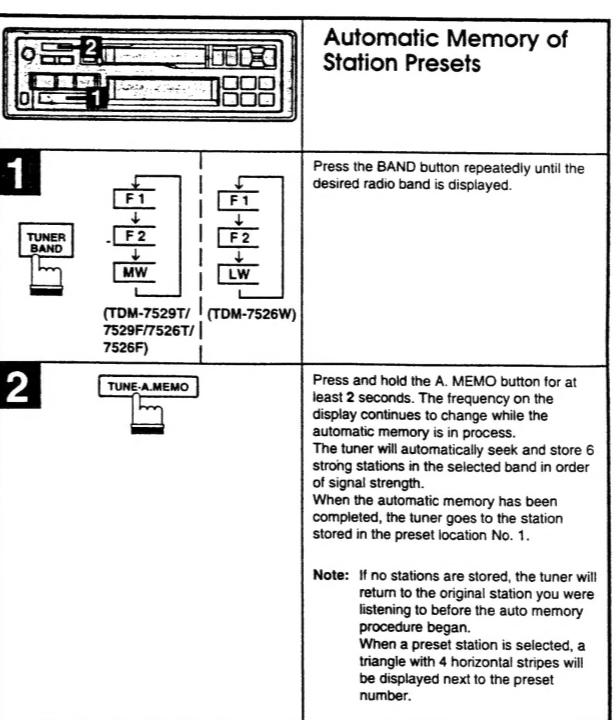
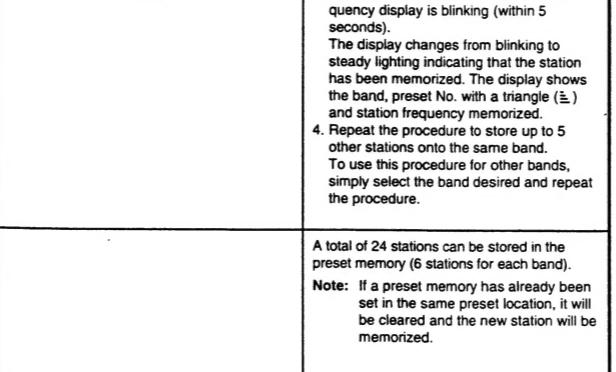
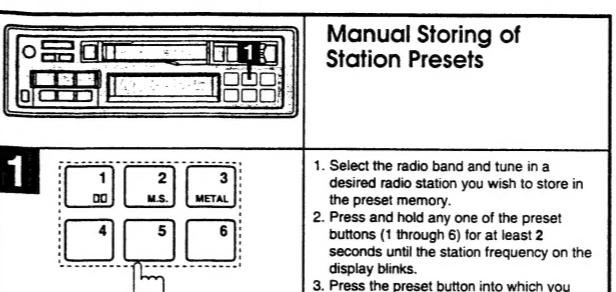
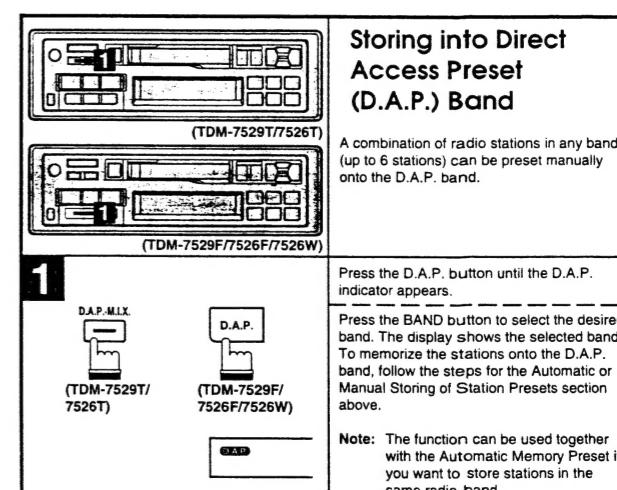
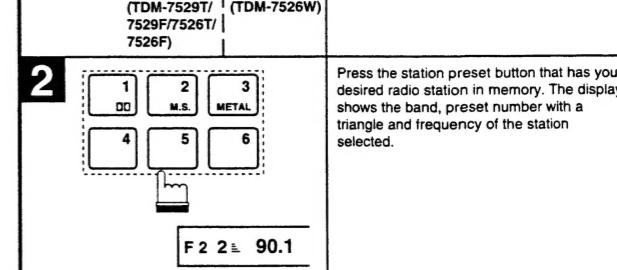
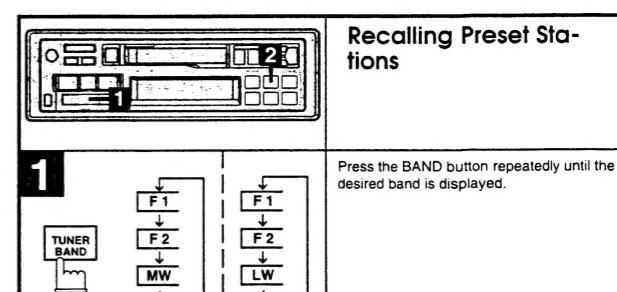
## Connections/Anschlüsse/Connexions/Collegamenti/Conexiones/Anslutningar



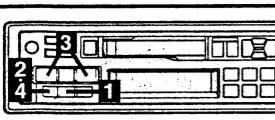
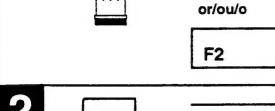
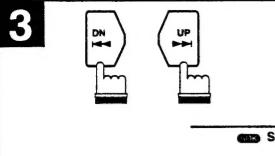
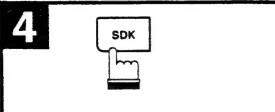
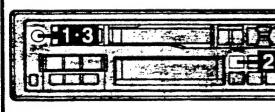
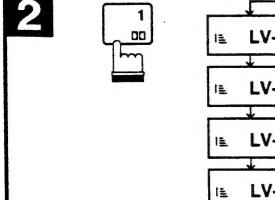
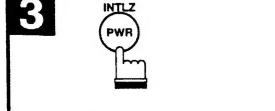
- ① Remote Turn-On Lead (Blue/White)
- ② Rear Right Speaker (+) Output Lead
- ③ Rear Right Speaker (-) Output Lead
- ④ Front Right Speaker (+) Output Lead
- ⑤ Front Right Speaker (-) Output Lead
- ⑥ Front Left Speaker (+) Output Lead
- ⑦ Front Left Speaker (-) Output Lead
- ⑧ Rear Left Speaker (+) Output Lead
- ⑨ Rear Left Speaker (-) Output Lead
- ⑩ ISO Connector (Speaker Output, Male)
- ⑪ ISO Connector (Speaker Output, Female)
- ⑫ Fuse (10A)
- ⑬ ISO Connector (Power, Female)
- ⑭ ISO Connector (Power, Male)
- ⑮ Hook (Small)
- ⑯ Hook (Large)
- ⑰ Antenna Jack

- ⑱ ISO Antenna Plug
- ⑲ JASO/ISO Antenna Adaptor (Included)
- ⑳ JASO Antenna Plug
- ㉑ Power Antenna Lead
- ㉒ Ignition Lead
- ㉓ Ground Lead
- ㉔ Battery Lead
- ㉕ Rear Output RCA Connectors
- ㉖ RED is right and WHITE is left.
- ㉗ RCA Extension Cable (Sold separately)
- ㉘ DIN Extension Cable

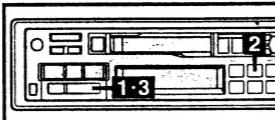
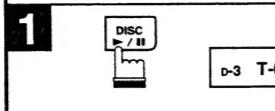
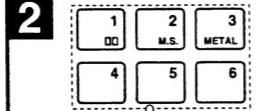
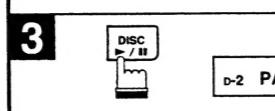
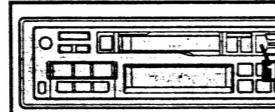
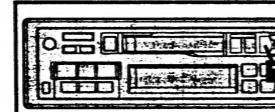
**NOTE:**  
Older Alpine CD Shuttle came with standard, straight type DIN connectors. In installations where an L-type connector would simplify installation, the Alpine 491002 Adaptor can be used (Sold Separately).

**Basic Operation****Radio Operation****Radio Operation****Radio Operation**

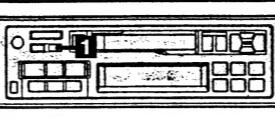
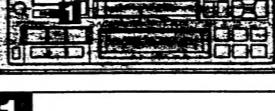
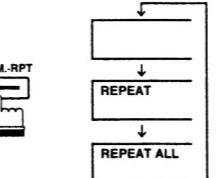
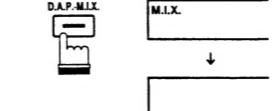
## Radio Operation

	<b>Receiving Traffic Information (SDK) (TDM-7529T/7526T only)</b> You can receive the traffic information in Germany where it is broadcast in the FM band.  <b>1</b> Press the TUNER BAND button until the F1 or F2 is displayed.
	<b>2</b> Press the SDK button to activate the SDK mode. The SDK indicator appears on the display.  <b>Note:</b> The SDK button is inoperative in the Auto Memory mode.
	<b>3</b> Press the DN or UP button repeatedly to tune in a desired traffic information station manually, or press and hold to automatically tune in a traffic station. When a traffic information station is tuned in, the SK indicator lights up.  <b>Note:</b> When the unit receives the SK signal, the SK indicator lights up irrespective of the SDK button position.  If the traffic information is being broadcast, you can receive it immediately at the preset volume level. If it is not being broadcast, your unit goes into the standby status and receives regular FM broadcast (or you can play a tape). When the station starts the traffic information service, the unit automatically switches to the traffic information (the tape player continues playing if you are playing a tape). When the traffic information service is over, the unit automatically switches back to regular FM broadcast and the volume returns to the original level.  <b>Note:</b> If the traffic information signal falls below a certain level during reception, the SK indicator goes off and the unit will be placed in standby status for 70 seconds. If this status continues over 70 seconds, a rhythmical beep sound will be produced. Press the SDK button to turn off the beep sound and deactivate the SDK mode or tune in another traffic information station.
	<b>4</b> Press the SDK button to deactivate the SDK mode. The SDK indicator disappears.
	<b>Presetting Volume Level for Traffic Information (TDM-7529T/7526T only)</b> If the volume levels between the traffic information and regular FM broadcast differ greatly, you can preset the volume level for the traffic information.  <b>1</b> Press and hold the PWR button for at least 2 seconds.
	<b>2</b> Press the Preset 1 button until the desired volume level is obtained.
	<b>3</b> Press again the PWR button to preset the volume level in memory for the traffic information listening.

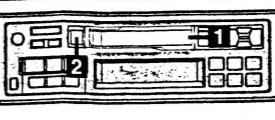
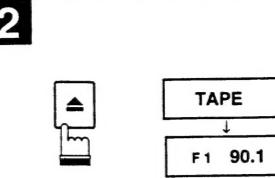
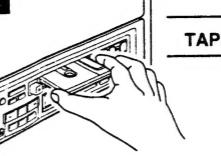
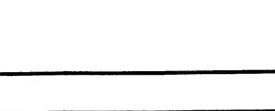
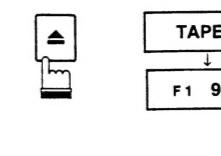
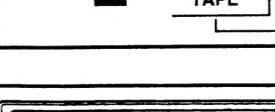
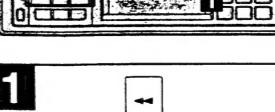
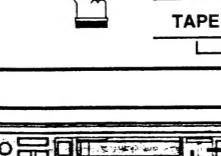
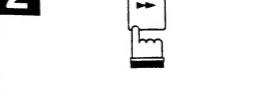
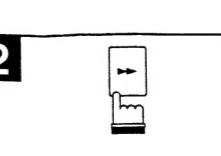
## CD Shuttle Operation

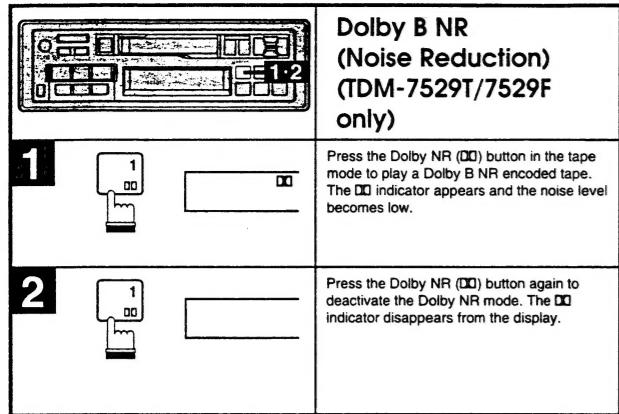
	<b>Controlling CD Shuttle (Optional)</b> If an optional Alpine 6-disc CD Shuttle is connected to the 8-pin DIN connector of the TDM-7529T/7529F/7526T/7526F/7526W, you can control the CD Shuttle using the TDM-7529T/7529F/7526T/7526F/7526W.
	<b>Notes:</b> 1. The controls on the TDM-7529T/7529F/7526T/7526F/7526W for the CD operation are operative only when the CD Shuttle is interconnected with the TDM-7529T/7529F/7526T/7526F/7526W. 2. Before operating the CD Shuttle for the first time after connecting, the unit should be reset. Reduce the volume and press and hold the DISC ▶/II button for at least 3 seconds.
	<b>1</b> The display example shows when playing the Track 1 on the Disc 3. Press the DISC ▶/II button to activate the connected CD Shuttle. The display shows the disc number and track number.
	<b>2</b> Press the Preset buttons to select the desired disc loaded in the CD Shuttle.
	<b>3</b> Press the DISC ▶/II button to pause CD play. The display shows "PAU." To resume CD play, press again. The PAU indicator disappears.  <b>Note:</b> Be sure to eject the cassette tape when you want to operate the CD Shuttle in the tape play mode.
	<b>Music Sensor (M.S.) Skip</b> Momentarily press the DN ← button once to return to the beginning of the current track. If you wish to return to the beginning of a track further back, repeatedly press until you reach the desired track. (The display example shows when you are playing the track No. 5 of the disc 3.)  Press the UP → button once to advance to the beginning of the next track. If you wish to advance to a track further ahead, press repeatedly until the desired track is reached.  <b>Note:</b> The music sensor feature is functional in the play or pause mode.
	<b>Fast Forward and Backward</b> Press and hold the ← DN or UP → button to quickly move backward or forward respectively until you reach the desired portion.  <b>Note:</b> This feature works only in the CD playback mode.

## CD Shuttle Operation

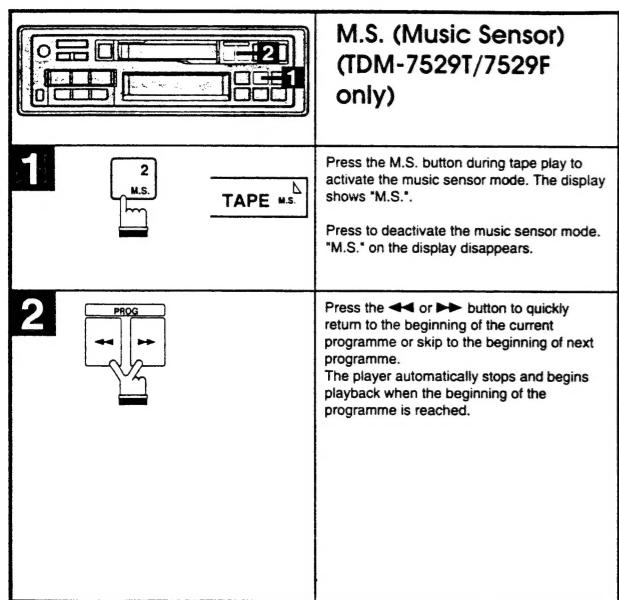
	<b>Repeat Play on Single Track or Entire Disc</b> Press the R.P.T button to display "REPEAT" or "REPEAT ALL" to play back repeatedly the current track being played or the entire disc selected.  <b>Note:</b> Single track cannot be repeated during M.I.X. play.
	<b>1</b> 
	<b>M.I.X. (Random) Play</b> Press the D.A.P.MIX button during CD play or in the pause mode until the M.I.X. indicator appears. The display shows the disc number, "M.I.X." and track number being played. The tracks on the disc will be played back in a random sequence. After all the tracks on the disc have been played back, the player loads the next disc and begins a random sequence play on the next disc.  Press the M.I.X. button again until the M.I.X. indicator disappears to cancel the M.I.X. play.

## Cassette Player Operation

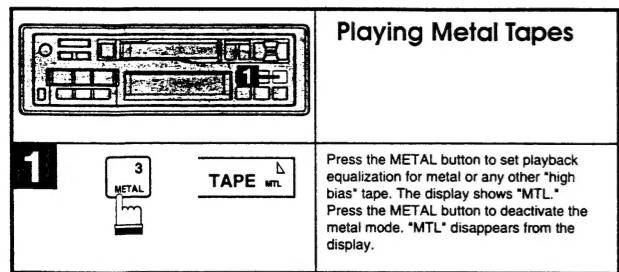
	<b>Inserting/Ejecting Cassette</b> Insert a cassette tape into the slot with the open side facing to the right. The player automatically starts tape playback and the display shows "TAPE" and the tape side being played (Δ or Σ).  When the end of the tape is reached, the player automatically stops and reverses the tape direction and plays the other side of the tape.
	<b>1</b>  Press the Eject (▲) button when you want to stop tape playing and eject the cassette tape. The unit plays the radio and the display shows the radio band and the station frequency that you were listening to previously.
	<b>2</b>  <b>Note:</b> Make sure the cassette is ejected before turning off the unit or removing the front panel. If the cassette is left in the unit for a long period with the power off, there is a chance of the pinch-rollers or head deforming the tape. This could degrade performance.
	<b>Reversing Tape Direction</b> Press both the ← and → buttons simultaneously to change the tape direction during tape play. The tape side indicators (Δ and Σ) show which side of the cassette is being played.
	<b>1</b> 
	<b>2</b>  <b>Fast Forwarding and Rewinding</b> Press in the ← button until a light click is heard. This locks the mechanism in the rewind mode when playing the top side of the tape (Δ indicator on) or in the fast-forward mode when playing the bottom side (Σ indicator on). Lightly press the → button to continue playing.  When the end of the tape is reached: Δ — the player stops automatically, and begins playing the tape from the beginning of the same side. Σ — the player stops and automatically reverses the tape side and continues playing from the beginning of the opposite side.
	<b>1</b>   Press in the → button until a light click is heard. This locks the mechanism in the fast-forward mode when playing the top side of the tape (Δ indicator on) or in the rewind mode when playing the bottom side (Σ indicator on). Lightly press the ← button to continue playing.  When the end of the tape is reached: Δ — the player stops and automatically reverses the tape side and continues playing from the beginning of the opposite side. Σ — the player stops, automatically, and begins playing the tape from the beginning of the same side.

**Cassette Player Operation**

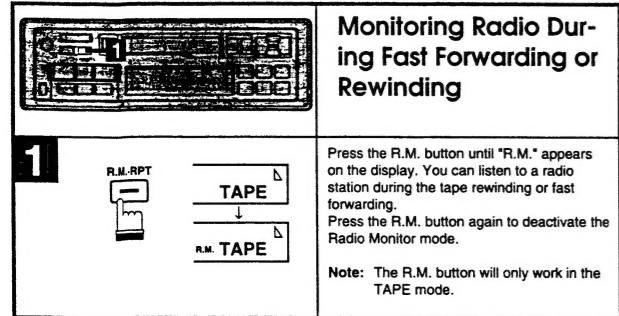
**Dolby B NR  
(Noise Reduction)  
(TDM-7529T/7529F  
only)**



**M.S. (Music Sensor)  
(TDM-7529T/7529F  
only)**



**Playing Metal Tapes**



**Monitoring Radio During Fast Forwarding or Rewinding**

**Disassembly Instructions****1. Removal of Nose Unit**

- Refer to the Owner's Manual (Part No. 68P61329W39).

**2. Removal of Front Escutcheon**

- After removal of Assy., Face Plate and Top Cover, remove the Hooks (a) as shown in Figure 1

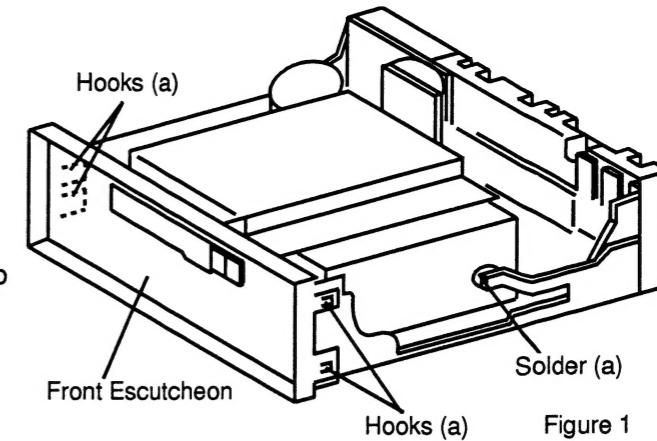


Figure 1

**3. Removal of Cassette Deck**

- Remove four screws marked "□" as shown in Figure 2.
- Disconnect all Connectors to Main P.C.Board.

**4. Removal of Main P.C.Board**

- Remove six screws marked "■" as shown in Figure 3.
- Remove the solder (a) and Hooks (b) as shown in Figure 1, 2.
- (○, ●) Main P.C.Board with SDK P.C.Board can be removed completely.

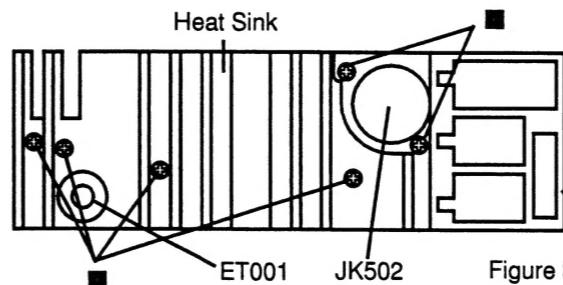


Figure 3

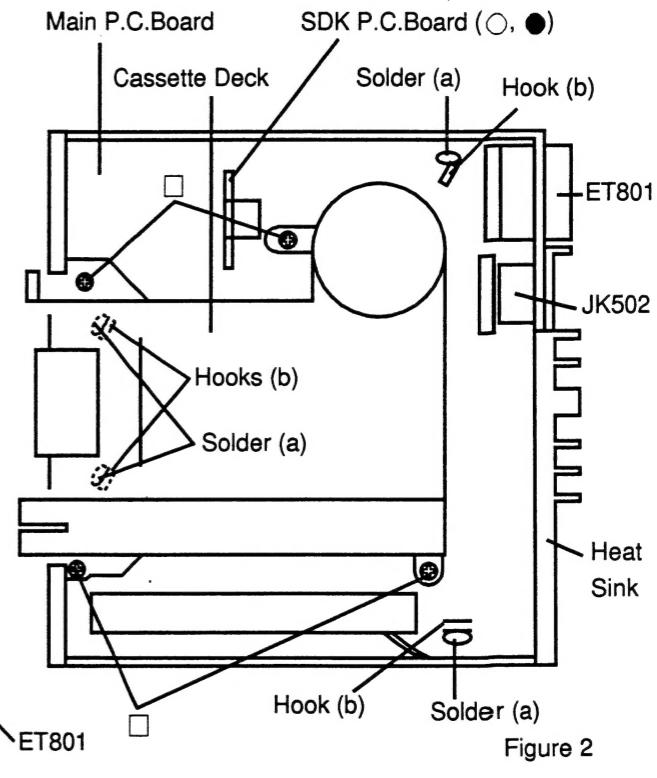


Figure 2

**5. Removal of Front P.C.Board**

- After removal of Nose Unit, remove two screws marked "△" and the Hooks (c) as shown in Figure 4.
- Remove the Hooks (d) as shown in Figure 4.

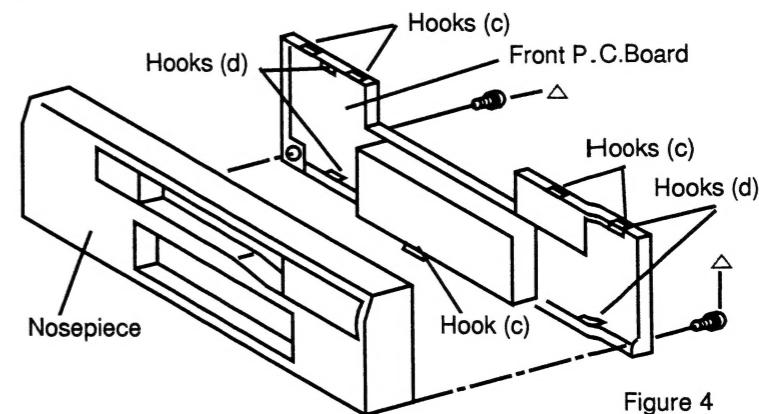


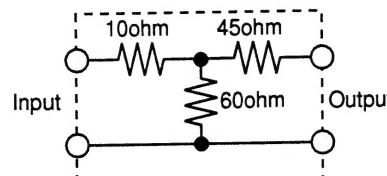
Figure 4

Note : ○ : For TDM-7529T Model Only, ● : For TDM-7526T Model Only, Others : Common.

# Adjustment Procedures

## 1. FM SECTION

### (1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator

Figure 5

### (2) Connections

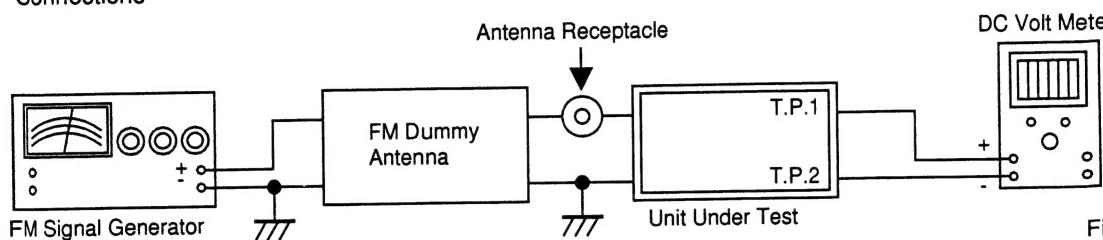


Figure 6

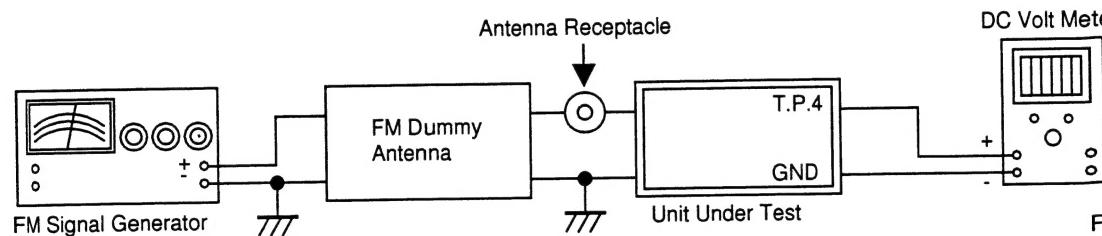


Figure 7

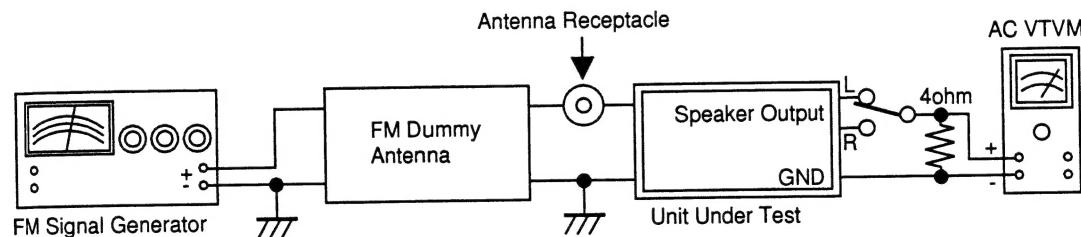


Figure 8

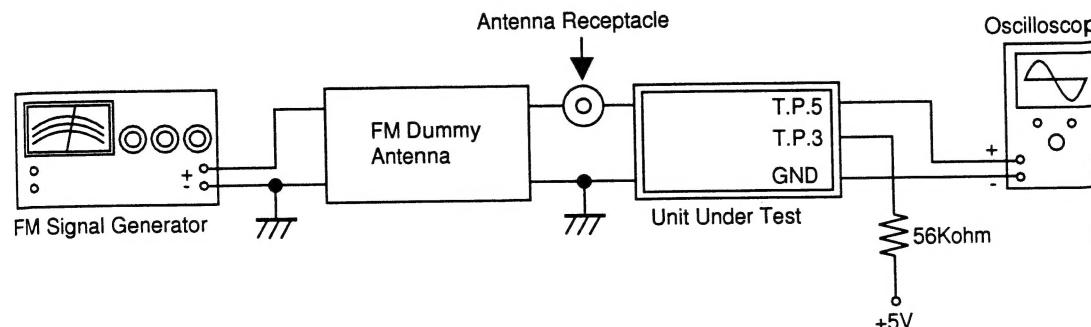
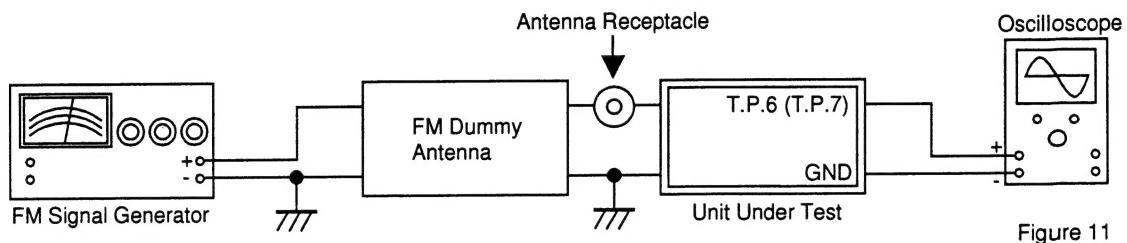
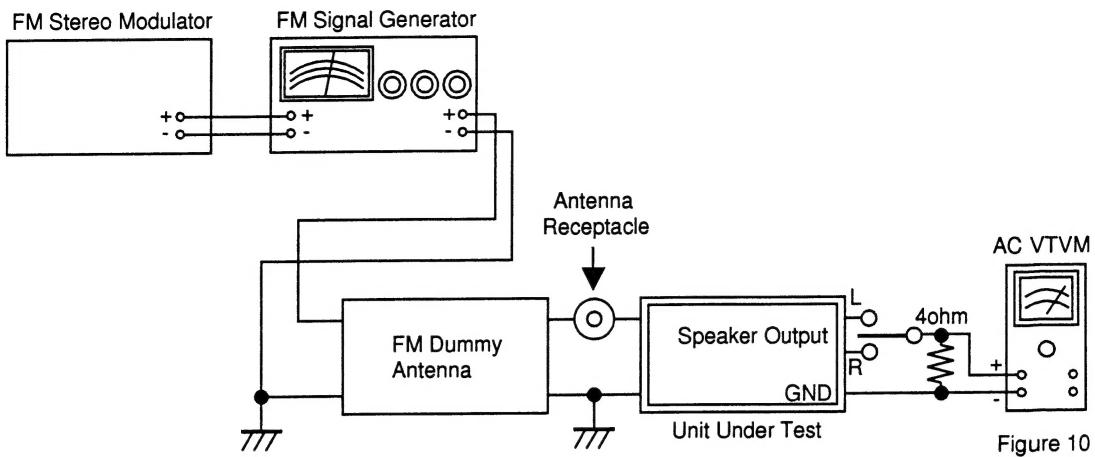


Figure 9

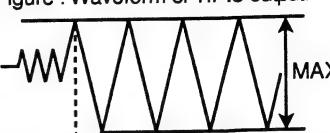


### (3) Control Settings

Power Switch .....	ON
Fader Control .....	Center Position
Balance Control .....	Center Position
Treble Control .....	Center Position
Bass Control .....	Center Position
Band Switch .....	FM
Others .....	OFF

### (4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	IF Adjustment	Figure 6	98.1MHz, 72dB (Mod. OFF)	98.1MHz	T.P.1 T.P.2	Adjust L2005 to $0 \pm 15\text{mV}$ .
2	Signal Meter Adjustment	Figure 7	98.1MHz, 47dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.4	Adjust VR2004 to $3 \pm 0.1\text{V}$ .
3	Noise Level Adjustment	(1)	Figure 8	98.1MHz, 72dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output Adjust MAIN VOLUME (S407, S408, S409) to obtain 2V output. This value is 0dB.
		(2)	Figure 8	98.1MHz, -19dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output Adjust VR2002 to $-30 \pm 3\text{dB}$ output at SG level minimum.

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
4	Seek Stop Adjustment	Figure 9	98.1MHz, 30dB (Mod. OFF)	98.1MHz	T.P.3 T.P.5	Adjust VR2003 for the waveform changing to maximum output. Figure : Waveform of T.P.5 output.  Stop the adjust VR2003 at this time.
5	Stereo Separation Adjustment (Lch)	Figure 10	98.1MHz, 72dB (Stereo 1kHz, Lch only)	98.1MHz	Speaker Output	Adjust VR2005 for Rch output to be minimum and confirm Lch and Rch output level difference is more than 25dB.
6	Stereo Separation Adjustment (Rch)	Figure 10	98.1MHz, 72dB (Stereo 1kHz, Rch only)	98.1MHz	Speaker Output	Proceed same adjustment under step 5 by alternating Lch and Rch.
7	SK Adjustment (○, ●)	Figure 11	98.1MHz, 21dB (Mod. 400Hz, Dev. 40kHz, SK : ON, BK : ON, DK : OFF)	98.1MHz	T.P.6	Adjust L501 for Maximum Waveform at T.P.6.
8	DK Adjustment (○, ●)	Figure 11	98.1MHz, 21dB (Mod. 400Hz, Dev. 40kHz, SK : ON, BK : ON, DK : ON)	98.1MHz	T.P.7	Adjust VR501 for Maximum Waveform at T.P.7.

## 2 TAPE PLAYER SECTION

### (1) Connections

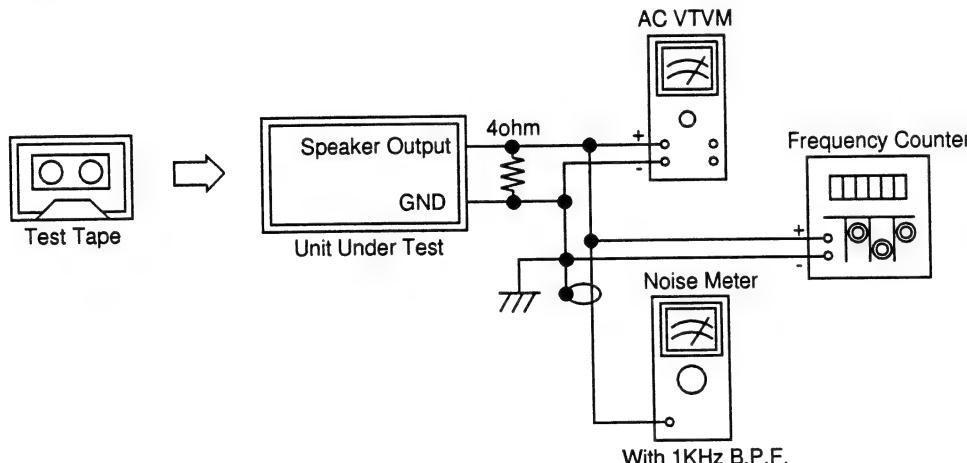


Figure 12

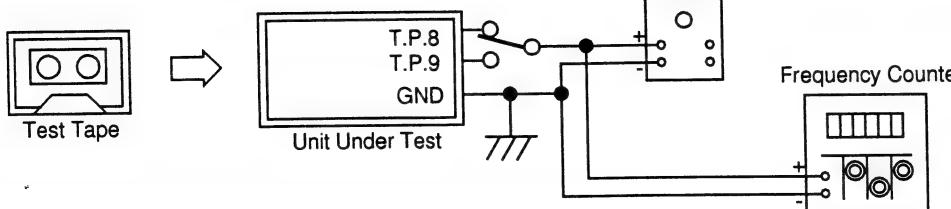


Figure 13

(2) Control Settings

Power Switch .....	ON
Fader Control .....	Center Position
Balance Control .....	Center Position
Treble Control .....	Center Position
Bass Control .....	Center Position
Others .....	OFF

(3) Adjustment Procedures

Step	Description	Test Tape	Connection	Test Point	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	(1) MTT-141N (1kHz)	Figure 12	Speaker Output	Head height Adjustment Screw A (Figure 14)	Adjust until the Rch level obtains the Max. output with the test tape A-side played back in the reverse mode.
		(2) MTT-144 (10kHz)	Figure 12	Speaker Output	Head Azimuth Adjustment Screw B (Figure 14)	Adjust for Max. and same level output of Lch and Rch at Forward mode.
		(3) MTT-144 (10kHz)	Figure 12	Speaker Output	Head Azimuth Adjustment Screw C (Figure 14)	Adjust for Max. and same level output of Lch and Rch at Reverse mode.
		(4) MTT-141N (1kHz)	Figure 12	Speaker Output	—	Confirm Lch and Rch output level difference is more than 42dB with the test tape A-side played back in the reverse mode. Proceed the same procedure as above with the test tape A-side played back in the reverse mode, B-side in the forward mode, and B-side in the reverse mode.
2	Dolby Level Adjustment (○, □)	MTT-150 (400Hz)	Figure 13	T.P.8 (Lch) T.P.9 (Rch)	VR101 (Lch) VR102(Rch)	Adjust for $245mV \pm 0.5dB$ at T.P.8 (Lch) and T.P.9 (Rch).
3	Tape Speed Adjustment	MTT-111N (3kHz)	Figure 12	Speaker Output (Lch or Rch)	Tape Speed Adjustment (Figure 15)	Adjust for 2,970 to 3,090 Hz at Speaker Output.

Notes : ○ : For TDM-7529T Model only, ● : For TDM-7529F Model only ,

Others : Common.

## Adjustment Locations

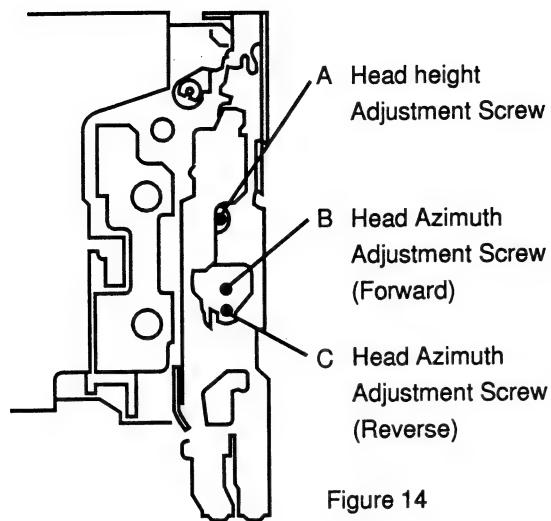


Figure 14

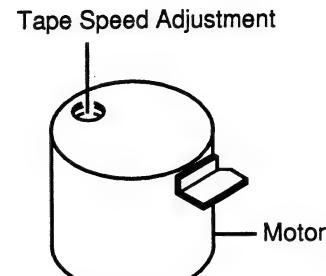
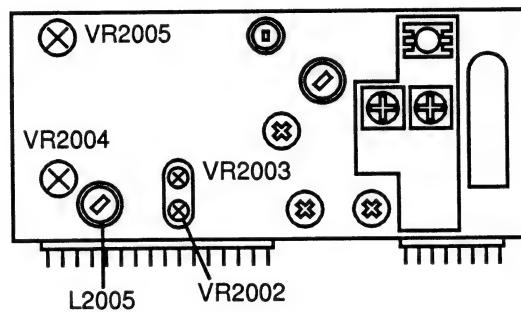


Figure 15



Tuner Unit (FE001)

Note : For the Adjustment parts (VR101, 102, 501, L501) and Test Points, refer to the Parts Layout on P.C. Boards and Wiring Diagram.

# Description of IC Terminal

75377W01 (○, □)      ] : IC503  
 75377W03 (●, ▲, ■)      ]

No.	Symbol	I/O	Terminal Description
1	AREA0	I	Area set up terminal.
2	AREA1		
3	SD / ST	I	Station detector signal input terminal during SEEK.
4	NC	—	No connection.
○●	5	SK	I SK signal input terminal.
□▲■	5	PULL-UP	— Pull-Up Terminal.
○●	6	DK	I DK signal input terminal.
□▲■	6	PULL-UP	— Pull-Up Terminal.
○□	7	DOLBY-B	O Dolby B NR ON / OFF terminal.
●▲■	7	NC	— No connection.
	8		
	9		
	10	CHG.D.OUT	O CD Changer bus line output terminal.
	11	CHG.D.IN	I CD Changer bus line input terminal.
	12	ACC	I ACC power supply detection terminal.
	13	BATT	I BATT power supply detection terminal.
○□	14	METAL	O Equalizing control output terminal.
●▲■	14	NC	— No connection.
	15	PACK-IN	I PACK-IN detection terminal.
	16	FOR / REV	I Indication control signal of TAPE running direction input terminal.
	17	MUTE-IN	I Mute signal input terminal. (For GS Mechanism)
	18	NC	— No connection.
	19		
	20	M.S	O Music sensor control signal output terminal.
○●	21	ALARM	O Alarm signal output terminal.
□▲■	21	NC	— No connection.
	22	EV.DATA	O Serial data output terminal for electrical volume (IC209).
	23	EV.CLK	O Serial clock output terminal for electrical volume (IC209).
	24	NC	— No connection.
	25		
	26	FM.IF	I FM IF signal input terminal.
	27	AM.IF	I AM IF signal input terminal.
	28	NC	— No connection.
	29	S-METER	I Signal meter signal input terminal.
	30	VDD1	— Power supply terminal.
	31	AM OSC	I AM OSC signal input terminal.
	32	FM OSC	I FM OSC signal input terminal.

No.	Symbol	I/O	Terminal Description
33	GND	—	Ground terminal.
34	X OUT	O	Output terminal for system clock OSC.
35	X IN	I	Input terminal for system clock OSC.
36	E0	O	Charge pump output terminal for PLL synthesizer.
37			
?	NC	—	No connection.
40			
41	VDD <sup>2</sup>	—	Power supply terminal.
42			
?	NC	—	No connection.
44			
45	L / $\overline{D}$	O	SEEK switching terminal for LOCAL / DX.
○□●■	46	NC	— No connection.
▲	46	LW	O L.P.F. switching terminal for LW Band.
	47	REQ	O IF / SD output control terminal.
○□●■	48	NC	— No connection.
▲	48	$\overline{LW}$	O L.P.F. switching terminal for LW Band.
	49	FM / $\overline{AM}$	O Power supply switching terminal. (For FM / AM)
50			
?	NC	—	No connection.
53			
54	LCD.INH	O	INH signal output terminal for LCD driver. (IC402)
55	LCD CE	O	CE signal output terminal for LCD driver. (IC402)
56	LCD DATA	O	DATA signal output terminal for LCD driver. (IC402)
57	LCD CLK	O	CLK signal output terminal for LCD driver. (IC402)
58			
?	NC	—	No connection.
69			
70	A. MUTE	O	Audio mute signal output terminal.
71	POWER.IC ON	O	Stand-by control signal output terminal for Power IC. (IC210, 211)
72	POWER.CONT	O	Power supply control terminal.
73			
74	NC	—	No connection.
75	NOSE.ON	I	Nose setting detection terminal.
76	KEY-IN AD 1		
77	KEY-IN AD 2	I	Key matrix signal input terminal.
78	KEY-IN AD 3		
79	MODEL 0	I	Model set up terminal.
80	MODEL 1		

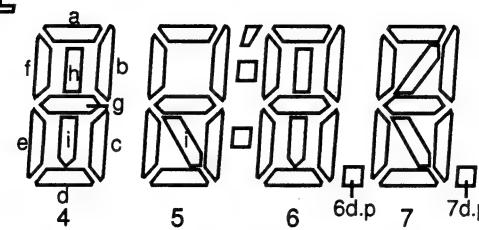
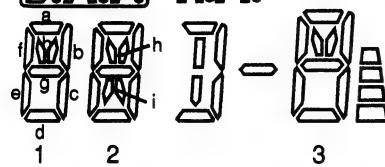
Note : ○ : For TDM-7529T Model Only, □ : For TDM-7529F Model Only, ● : For TDM-7526T Model Only,

▲ : For TDM-7526W Model Only, ■ : For TDM-7526F Model Only, Others : Common.

# LCD Display

**M.I.X. REPEAT ALL**

**D.A.P.**    **R.M.**



**SDK SK**    **N**  
**ST DABC**  
**MO M.S. DX**  
**B.S. MTL LD**

PAD No.	1	2	3	4	5	6	7	8	9
COM.1	COM.1			LD	M.S.	C	MTL	ST	B.S.
COM.2		COM.2		DX	SK	B	■■	SDK	MO

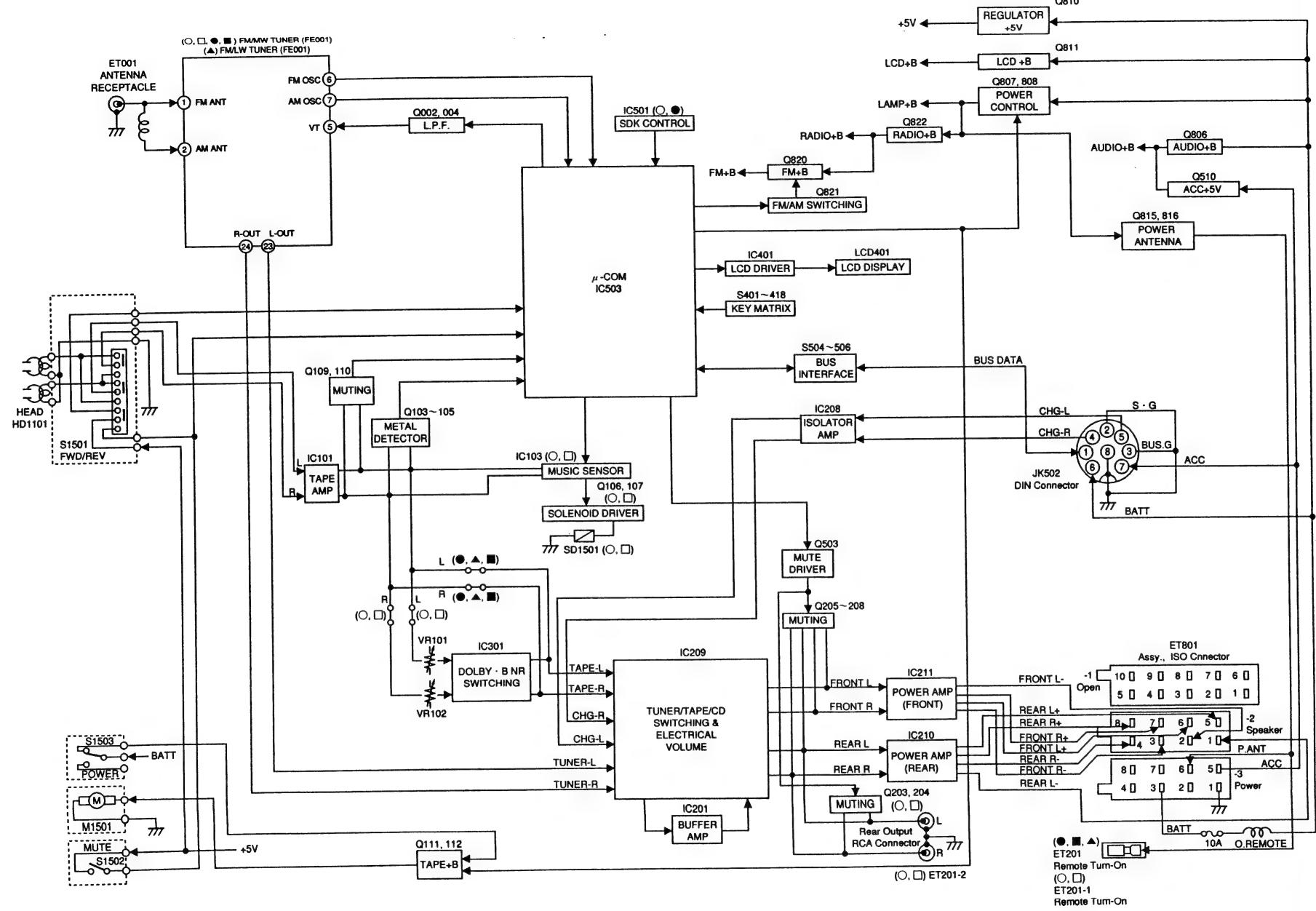
10	11	12	13	14	15	16	17	18
6d.p	7c	7b	7f	7e	6c	6b	6f	6e
7d.p	7h.i	7a	7g	7d	6h.i	6a	6g	6d

19	20	21	22	23	24	25	26	27
■	5b	5f	5e	5c	4c	4b	4f	4e
□	5a	5g	5d	5i	4h.i	4a	4g	4d

28	29	30	31	32	33	34	35	36
■■	3b	3g	3c	2d	R.M.	2i	2g	2h
ALL	3a.d	3f	3e	■■-	REPEAT	2c	2b	2a

37	38	39	40	41
D.A.P.	2f	1h	1e.f	1d
M.I.X.	2e	1a	1g	1d.c

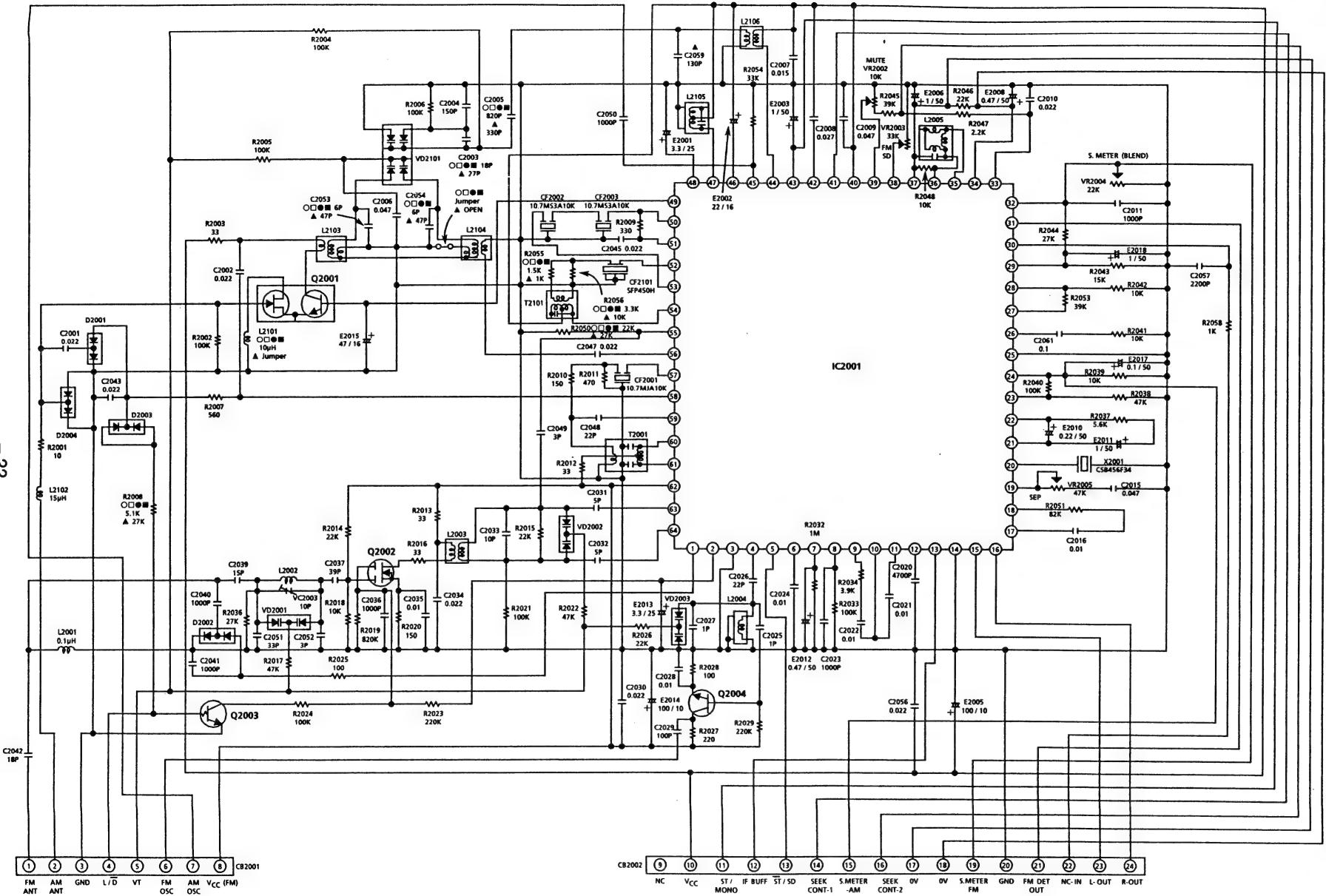
## Block Diagram



TDM-7529T/F  
TDM-7526T/W/F

## Tuner Schematic Diagram

Note : ○ : For TDM-752T Model Only.  
 □ : For TDM-752G Model Only.  
 ● : For TDM-7526T Model Only.  
 ▲ : For TDM-7526W Model Only.  
 ■ : For TDM-7526F Model Only.



# Parts Layout on P.C. Boards and Wiring Diagram (1/2)

All P.C. Boards viewed from soldered side.

1

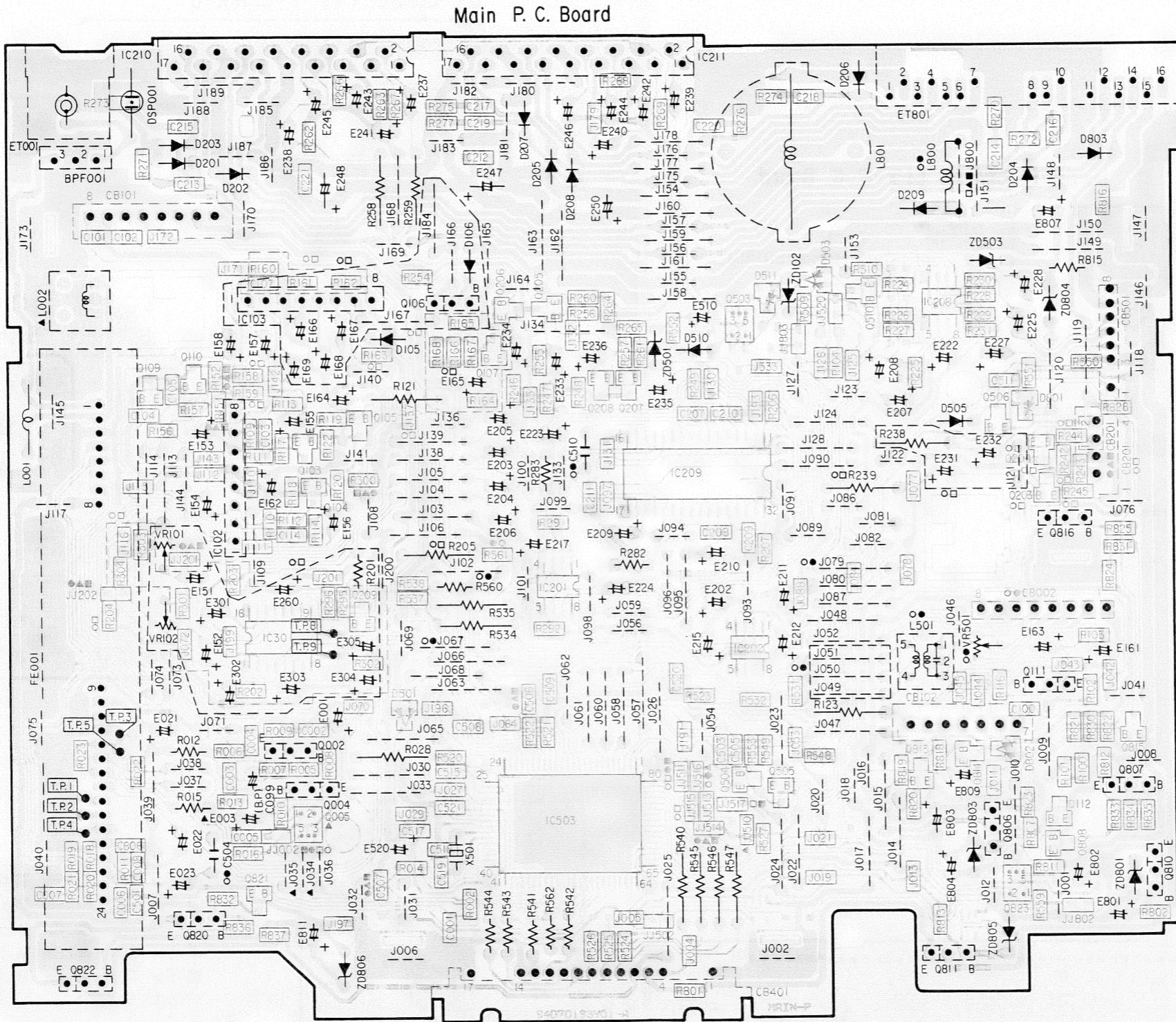
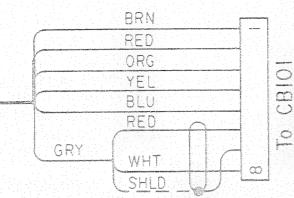
2

3

4

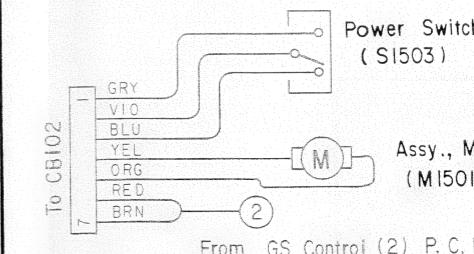
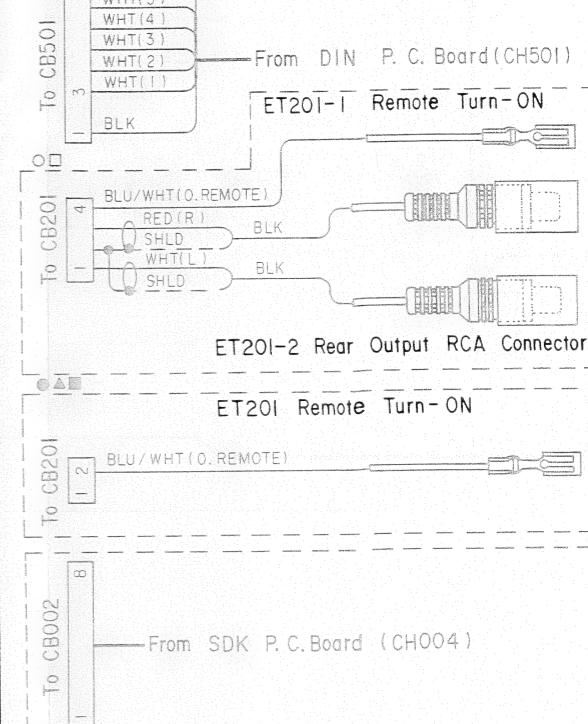
5

From GS Control(1) P.C. Board



ET801

1	BATT	9	NC
2	BATT	10	RR-
3	FR+	11	GND
4	FR-	12	RL+
5	FL+	13	RL-
6	NC	14	P.ANT
7	FL-	15	ACC
8	RR+	16	NC



From GS Control (2) P.C. Board

Blue Color Pattern : Foil Side Pattern

A

B - 23 -

C

D

E

F - 24 -

G

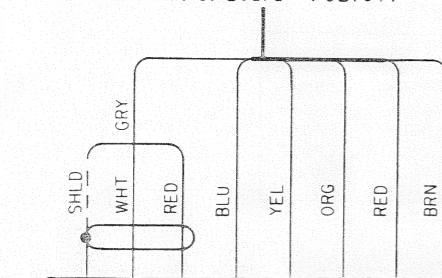
- Note: ○ : For TDM-7529T Model Only,  
 □ : For TDM-7529F Model Only,  
 ● : For TDM-7526T Model Only,  
 ▲ : For TDM-7526W Model Only,  
 ■ : For TDM-7526F Model Only,  
 Others : Common

## Parts Layout on P.C. Boards and Wiring Diagram (2/2)

All P.C. Boards viewed from soldered side.

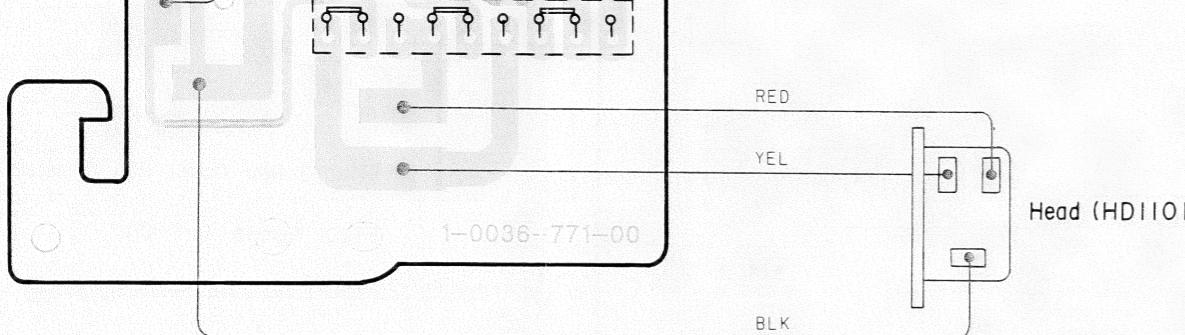
1

To Main P.C. Board (CB101)



GS Control (1) P.C. Board

2

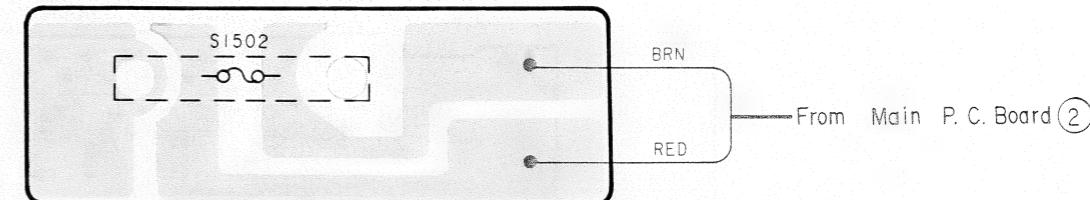


(○□)  
Solenoid (SD1501)

Head (HD1101)

3

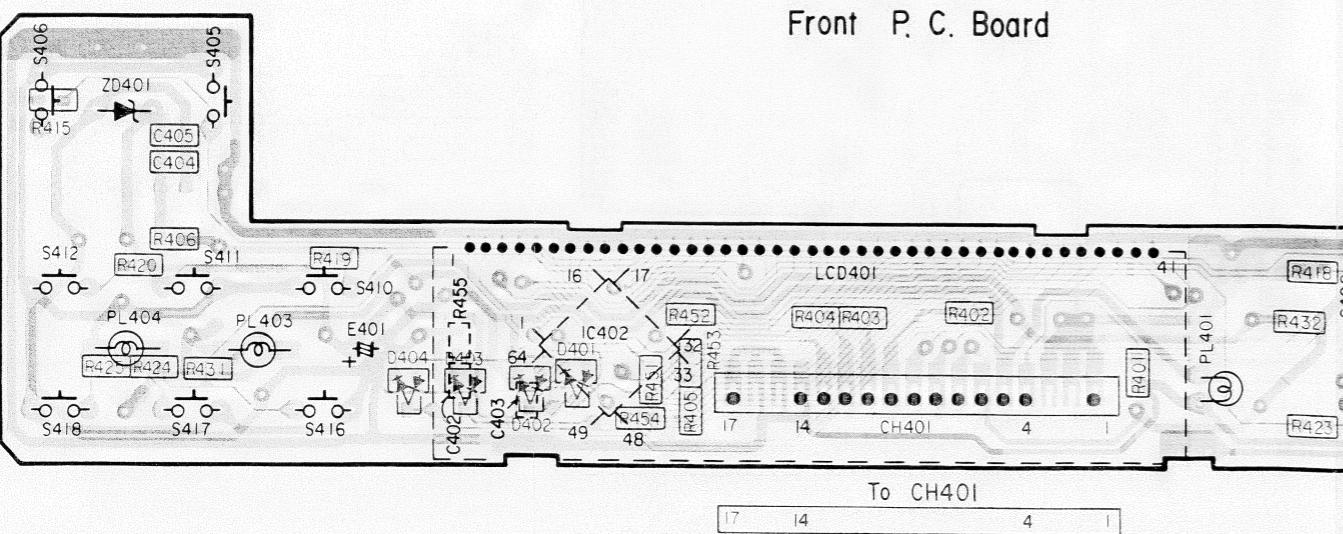
GS Control (2) P.C. Board



From Main P.C. Board (2)

4

Front P.C. Board

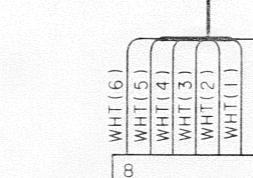


To Main P.C. Board (CB401)

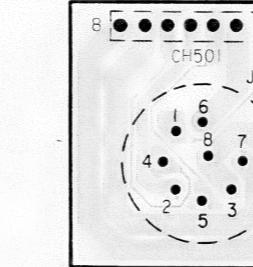
17 14 4 1

5

To Main P.C. Board (CB501)

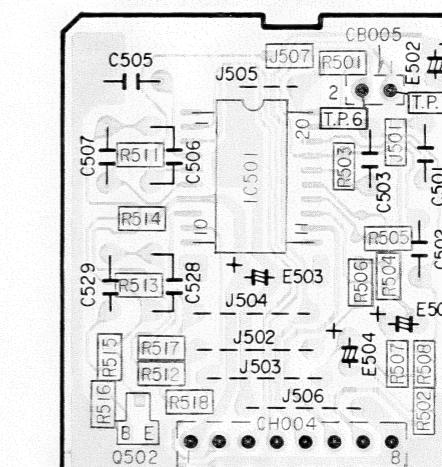


To CH501



DIN P.C. Board

(○,●)  
SDK P.C. Board



To CH004

1 8

To Main P.C. Board (CB002)

Note: ○ : For TDM-7529T Model Only,  
□ : For TDM-7529F Model Only,  
● : For TDM-7526T Model Only,  
▲ : For TDM-7526W Model Only,  
■ : For TDM-7526F Model Only,  
Others : Common

Orange Color Pattern : Component Side Pattern  
Blue Color Pattern : Foil Side Pattern

A

B - 25 -

C

D

E

F - 26 -

G

## Schematic Diagram (1/2)

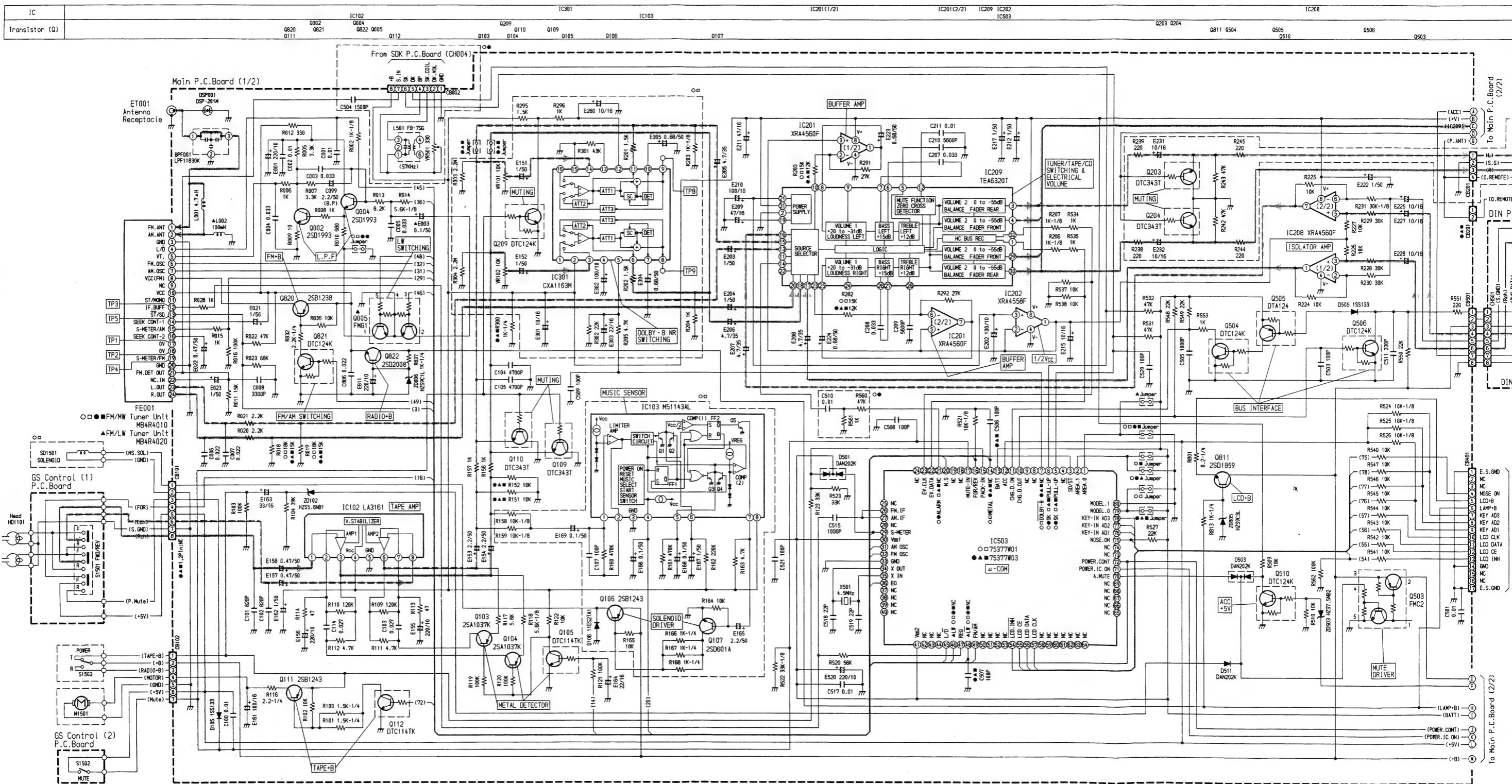
1

2

3

4

5



A

**B** - 27 -

C

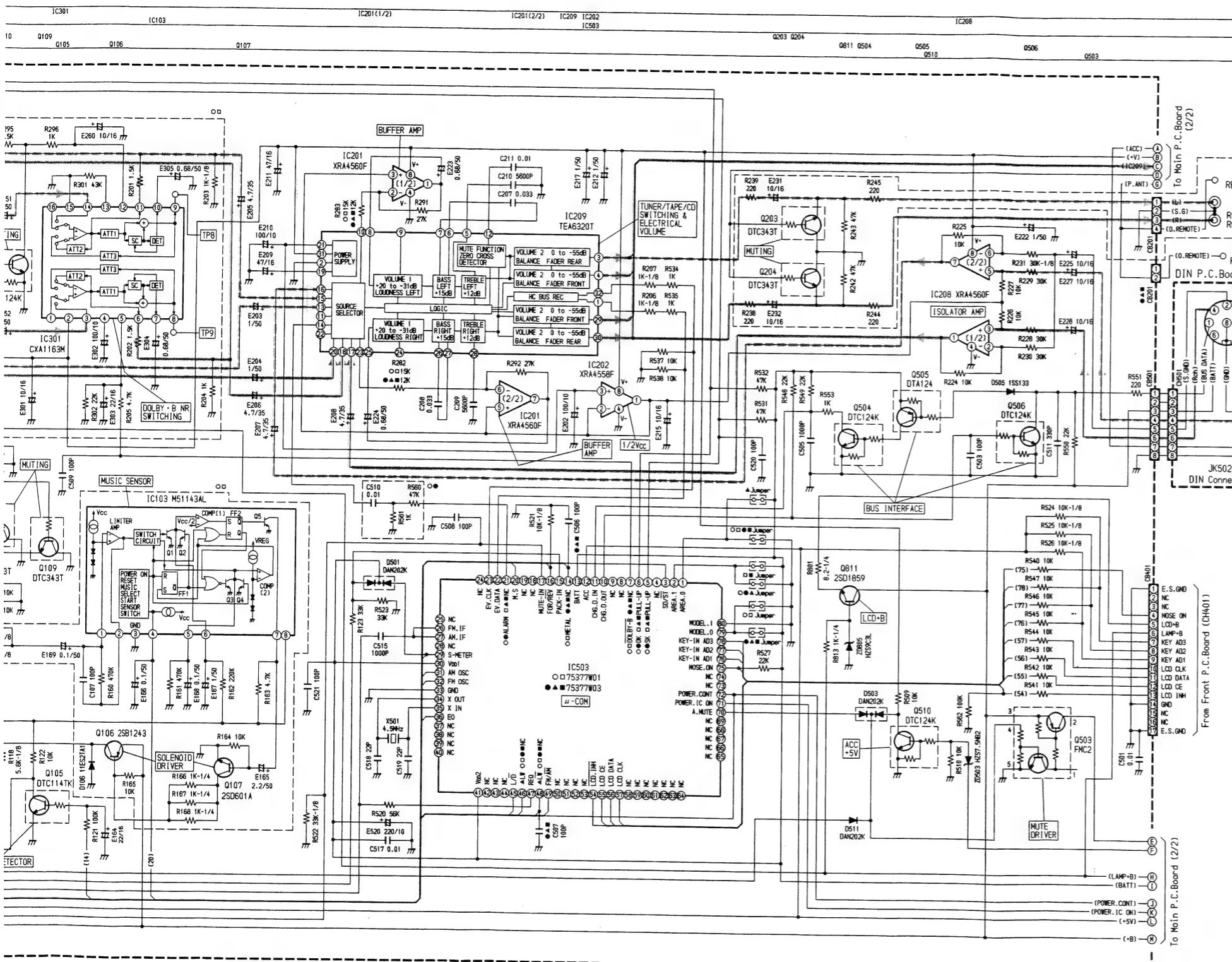
D

E

F - 28 -

G

H



IC102		□ IC103		IC201		IC202		IC208		IC503	
1	1.26V	1	1.45V	1	4.37V	1	4.37V	1	4.37V	MODE	MODE
2	0.75V	2	1.44V	2	4.37V	2	PS	2	4.37V	TO/FW/WD	NC
3	3.27V	3	0V	3	4.37V	3	4.37V	3	4.37V	TO/FO/WD	NC
4	8.75V	4	0V	4	0V	4	0V	4	0V	MONO/ST	NC
5	0V	5	0V	5	4.37V	5	0.81V	5	4.37V	0V/4.84V	OTHERS(FM)/LOCAL SEEK
6	3.25V	6	0V	6	4.37V	6	0.59V	6	PS	0V	LW/FM
7	0.75V	7	0V	7	4.37V	7	0.19V	7	4.37V	▲ 46	4.98V/0V
8	1.26V	8	0.74V	8	8.72V	8	8.72V	8	8.72V	□ □ 48	0V
DOLBY ON/OTHERS											SEEK/OTHERS (FM)
9	NC	□ □ 48		48		0V/4.98V		LW/FM		4.98V	
10	0.04V	49		4.94V/0V		FM/AM		50		NC	
11	5.08V	51		NC		ACC ON/OFF		52		NC	
12	4.98V/0V	53		NC		METAL ON/OFF		54		NC	
13	5.04V	55		0V		PACK IN/OTHERS (FM)		56		0V	
14	4.95V/0V	57		0V		FOR/REV		58		0V	
15	5.48V/0V	59		0V		FF - REW/TAPE		60		0V	
16	4.95V/4.96V	61		0V		SEEK/OTHERS (FM)		62		0V	
17	4.97V/0V	63		0V		SEEK/OTHERS (FM)		64		0V	
18	NC	65		0V		NC		66		0V	
19	NC	67		0V		NC		68		0V	
20	0V	69		0V		NC		70		0V	
21	0V	71		4.84V/0V		POW.ON/OFF		72		4.87V/0V	
22	4.9VPS	73		0V		POW.ON/OFF		74		0V	
23	4.91VPS	75		0V		0V		76		2.81V	
24	NC	77		0V		0V		78		2.81V	
25	NC	79		0V/5.04V		7329/7326		80		0V	

E	C	B	MODE
Q002	0V	PS	RADIO
Q004	PS	PS	RADIO
Q103	3.25V/3.32V	3.25V/3.22V	2.71V/6.63V
Q104	3.19V/3.32V	3.19V/3.22V	2.64V/6.63V
Q105	0.04V	0.05V/0.72V	METAL ON/OFF (TAPE)
□ Q106	14.35V	0V	14.35V
□ Q107	0V	14.35V	0V
Q109	0V/0V	0V/0V	TAPE (PLAY)/FF.REW
Q110	0V/0V	0V/0V	TAPE (PLAY)/FF.REW
Q111	14.34V/0V	14.31V/0.26V	13.64V/0V
Q112	0V	0V	4.84V
□ Q203	0V/0V	0V/0V	MUTE ON/OFF
□ Q204	0V/0V	0V/0V	MUTE ON/OFF
□ Q209	0V/0V	0V/0V	TAPE (PLAY/FF.REW)
Q504	0V	PS	CD
Q505	5.04V	0V	PS
Q506	0V	0V	CD
Q507	2.48V	0V	CD
Q508	PS	0V	NOSE ON/OFF
Q509	0V	0V	NOSE ON/OFF
Q510	0V/0V	0V/0V	3.92V/0V
Q811	8.99V	13.13V/14.93V	9.62V/0V
Q820	8.67V	8.63V	7.97V
Q821	0V	0V	RADIO (FM)
Q822	8.67V	13.4V	9.26V

1	2	3	4	5	MODE
▲ Q005	NC	0V/0V	4.98V/0V	0V/0V	LW/FM
Q503	NC	14.21V/0.06V	14.25V/14.25V	4.4V/0V	MUTE ON/OFF

#### [Measuring Conditions]

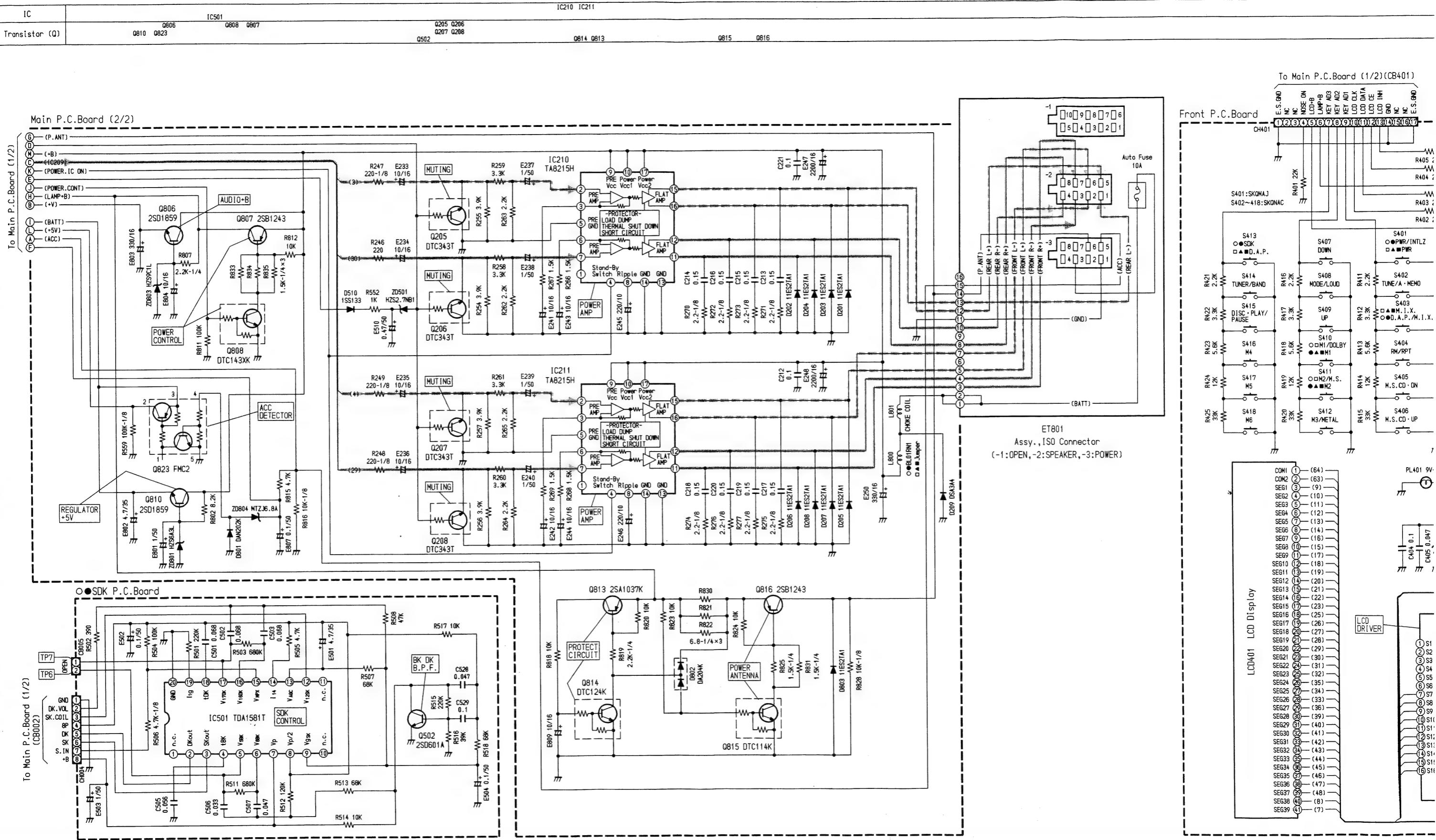
- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
- FM ..... 98.1MHz
- MW ..... 999kHz (○ □ ■)
- LW ..... 216kHz (▲)
- Tape .... Blank

Note : ○ : For TDM-7529T Model Only,  
 □ : For TDM-7529F Model Only,  
 ● : For TDM-7526T Model Only,  
 ▲ : For TDM-7526W Model Only,  
 ■ : For TDM-7526F Model Only,  
 Others : Common.

#### NOTES:

- All resistance values are in ohms. K = 1,000
- All capacitance values are in microfarads. P =  $\frac{1}{1,000,000}$

# Schematic Diagram (2/2)

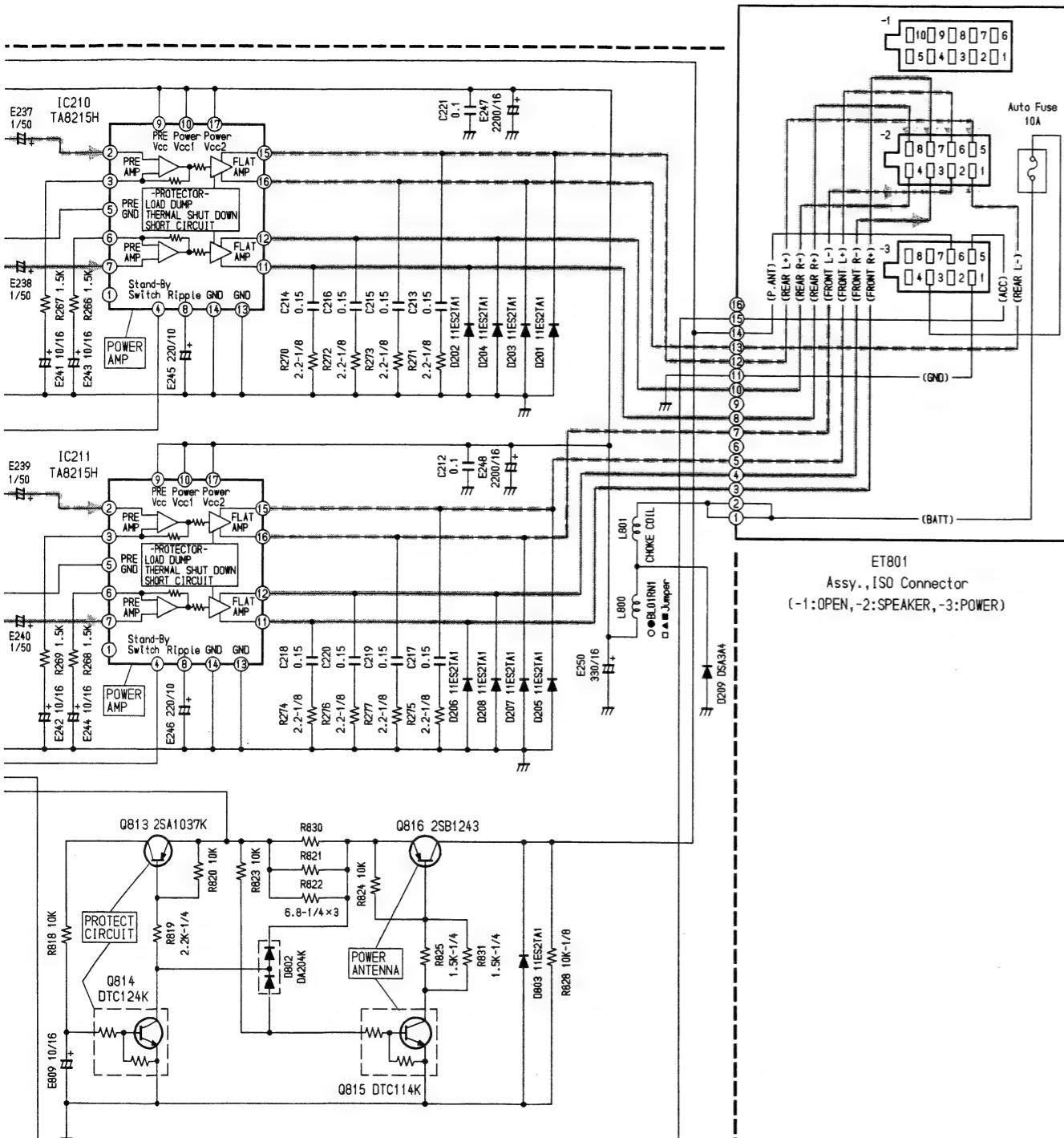


IC210 IC211

Q814 Q813

Q815 Q816

IC402



# Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor :  $\mu\text{F}$ =microfarads,  $\text{pF}$ =picofarads

Abbreviations				Symbol No.	Part No.	Description				
RES.= Resistor C.F.= Carbon Film M.F.= Metal Film M.O.= Metal Oxide Film M.P.= Metal Plate TR.= Transistor TRANS.= Transformer CP.= Chip	CAP.= Capacitor ELY.= Electrolytic CER.= Ceramic MYL.= Mylar TAN.= Tantalum POLY.= Polystyrol PP.= Polypropylene PLT.= Polyethylene PF.= Polyester Film	Q109 or Q110 or Q111  Q112 ○ Q203 ○ □ ○ Q204 ○ ○ □ ○ Q205  Q206 or Q207 or Q208 or  ○ □ ○ ○ ● ○ ▲ ■	48T64222F33 48T62967F33 48T64222F33 48T62967F33 48T84366F01  48T62967F09 48T64222F33 48T62967F33 48T64222F33 48T62967F33  48T64222F33 48T62967F33 48T64222F33 48T62967F33  48T64222F33 48T62967F33 48T64222F33 48T62967F33  48T62967F03 48T62967F03 48T73888F12 48T62967F03 48T62966F03  48T62967F03 48T62967F03 48T83835F03 48T84366F01 48T62967F05  48T83835F03 48T83835F03 48T63420F01 48T62967F03 48T62967F02  48T84366F01 48T84234F03 48T62967F03 48T15289W03 48T73888F12  48T84366F01 48T84234F03 48T62967F03 48T15289W03 48T62967F02  48T84366F01 48T84234F03 48T62967F03 48T15289W03 48T62967F02	CP., UN2226T CP., DTC343T CP., UN2226T CP., DTC343T 2SB1243  CP., DTC114TK CP., UN2226T CP., DTC343T CP., UN2226T CP., DTC343T  CP., DTC124K CP., DTC124K CP., FMC2 CP., DTC124K CP., DTA124  CP., DTC124K CP., DTC124K 2SD1859 2SB1243 CP., DTC143XK  2SD1859 2SD1859 CP., 2SA1037K CP., DTC124K CP., DTC114K  2SB1243 2SB1238 CP., DTC124K 2SD2008 CP., FMC2  2SB1243 2SB1238 CP., DTC124K 2SD2008 CP., FMC2						
Symbol No.	Part No.	Description								
<b>Main P. C. Board</b>										
<b>IC's</b>										
○	IC102	51T65025W01	LA3161							
○	IC103	51T67915F01	M51143AL							
□	IC103	51T67915F01	M51143AL							
	IC201	51T92001F21	XRA4560F							
	IC202	51T65379F21	XRA4558F							
	IC208	51T92001F21	XRA4560F							
	IC209	51T65131W01	TEA6320T							
	IC210	51T35133W02	TA8215H							
	or	51T65310W01	MC13309T							
	IC211	51T35133W02	TA8215H							
	or	51T65310W01	MC13309T							
○	IC301	51T16466W02	CXA1163M							
□	IC301	51T16466W02	CXA1163M							
○	IC503	51T75377W01	75377W01							
□	IC503	51T75377W01	75377W01							
●	IC503	51T75377W03	75377W03							
▲	IC503	51T75377W03	75377W03							
■	IC503	51T75377W03	75377W03							
<b>Transistors</b>										
▲	Q002	48T90181F05	2SD1993							
	Q004	48T90181F05	2SD1993							
	Q005	48T73888F08	CP., FMC1							
	Q103	48T63420F01	CP., 2SA1037K							
	Q104	48T63420F01	CP., 2SA1037K							
	Q105	48T62967F09	CP., DTC114TK							
○	Q106	48T84366F01	2SB1243							
□	Q106	48T84366F01	2SB1243							
○	Q107	48T52438F01	CP., 2SD601A							
□	Q107	48T52438F01	CP., 2SD601A							

Notes : ○ : For TDM-7529T Model Only,

● : For TDM-7526T Model Only,

■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,

▲ : For TDM-7526W Model Only,

Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
<b>Diodes / Surge Protector</b>					
○ D105	48T68828F01	1SS133	C001	08S53332F47	CP., 0.01μF
○ D106	48T84052F01	11ES2TA1	E001	23S16086W01	ELY., 220μF / 10V
□ D106	48T84052F01	11ES2TA1	C002	08S65128F69	CP., 0.01μF
D201	48T84052F01	11ES2TA1	C003	08T15399W02	CP., 0.033μF
D202	48T84052F01	11ES2TA1	▲ E003	23S75372W10	ELY., 0.1μF / 50V
D203	48T84052F01	11ES2TA1	C004	08T15399W02	CP., 0.033μF
D204	48T84052F01	11ES2TA1	C005	08T15399W02	CP., 0.033μF
D205	48T84052F01	11ES2TA1	C006	08T15399W01	CP., 0.022μF
D206	48T84052F01	11ES2TA1	C007	08T15399W01	CP., 0.022μF
D207	48T84052F01	11ES2TA1	C008	08S65128F63	CP., 3300pF
D208	48T84052F01	11ES2TA1	E021	23S75372W15	ELY., 1μF / 50V
D209	48T68580F03	DSA3A4	E022	23S75372W13	ELY., 0.47μF / 50V
D501	48T63462F01	CP., DAN202K	E023	23S75372W15	ELY., 1μF / 50V
D503	48T63462F01	CP., DAN202K	C099	23T82372F19	ELY., (B.P) 2.2μF / 50V
D505	48T68828F01	1SS133	C100	08S65128F69	CP., 0.01μF
D510	48T68828F01	1SS133	C101	08S65128F56	CP., 820pF
D511	48T63462F01	CP., DAN202K	C102	08S65128F56	CP., 820pF
D801	48T63462F01	CP., DAN202K	C103	08T15399W04	CP., 0.027μF
D802	48T64134F01	CP., DA204K	C104	08S65128F65	CP., 4700pF
D803	48T84052F01	11ES2TA1	C105	08S65128F65	CP., 4700pF
ZD102	48T90517F26	Zener, HZS5.6NB1	○ C107	08S65128F35	CP., 100pF
ZD501	48T90517F07	Zener, HZS2.7NB1	□ C107	08S65128F35	CP., 100pF
ZD503	48T90517F36	Zener, HZS7.5NB2	C114	08T15399W04	CP., 0.027μF
ZD801	48T83128F03	Zener, HZS6A3L	○ E151	23S75372W15	ELY., 1μF / 50V
ZD803	48T83128F25	Zener, HZS9C1L	□ E151	23S75372W15	ELY., 1μF / 50V
ZD804	48T26033W32	Zener, MTZJ6.8A	○ E152	23S75372W15	ELY., 1μF / 50V
ZD805	48T83128F27	Zener, HZS9C3L	□ E152	23S75372W15	ELY., 1μF / 50V
ZD806	48T83128F25	Zener, HZS9C1L	E153	23S75372W16	ELY., 2.2μF / 50V
DSP001	48T81909F01	Surge Protector, DSP-201M	E154	23S75372W16	ELY., 2.2μF / 50V
			E155	23S16086W01	ELY., 220μF / 10V
			E156	23S16086W01	ELY., 220μF / 10V
			E157	23S75372W13	ELY., 0.47μF / 50V
			E158	23S75372W13	ELY., 0.47μF / 50V
			E161	23S16086W03	ELY., 100μF / 16V
			E162	23S75372W15	ELY., 1μF / 50V
			E163	23S75373W04	ELY., 33μF / 16V
			E164	23S75372W05	ELY., 22μF / 16V
			○ E165	23S75372W16	ELY., 2.2μF / 50V
			□ E165	23S75372W16	ELY., 2.2μF / 50V
			○ E166	23S75372W10	ELY., 0.1μF / 50V
			□ E166	23S75372W10	ELY., 0.1μF / 50V
			○ E167	23S75372W15	ELY., 1μF / 50V
			□ E167	23S75372W15	ELY., 1μF / 50V
			○ E168	23S75372W10	ELY., 0.1μF / 50V
			□ E168	23S75372W10	ELY., 0.1μF / 50V
			○ E169	23S75372W10	ELY., 0.1μF / 50V
			□ E169	23S75372W10	ELY., 0.1μF / 50V
			E202	23S75372W02	ELY., 100μF / 10V
			E203	23S75372W15	ELY., 1μF / 50V

Notes : ○ : For TDM-7529T Model Only,  
 ● : For TDM-7526T Model Only,  
 □ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,  
 ▲ : For TDM-7526W Model Only,  
 Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
E204	23S75372W15	ELY., 1μF / 50V	E247	23T75346W01	ELY., 2200μF / 16V
E205	23S75372W09	ELY., 4.7μF / 35V	E248	23T75346W01	ELY., 2200μF / 16V
E206	23S75372W09	ELY., 4.7μF / 35V	E250	23T35463W26	ELY., 330μF / 16V
C207	08T15399W02	CP., 0.033μF	○ E260	23S75372W04	ELY., 10μF / 16V
E207	23S75372W09	ELY., 4.7μF / 35V	□ E260	23S75372W04	ELY., 10μF / 16V
C208	08T15399W02	CP., 0.033μF	○ E301	23S75372W04	ELY., 10μF / 16V
E208	23S75372W09	ELY., 4.7μF / 35V	□ E301	23S75372W04	ELY., 10μF / 16V
C209	08S65128F66	CP., 5600pF	○ E302	23S75372W02	ELY., 100μF / 10V
E209	23S75372W07	ELY., 47μF / 16V	□ E302	23S75372W02	ELY., 100μF / 10V
C210	08S53332F44	CP., 5600pF	○ E303	23S75372W05	ELY., 22μF / 16V
E210	23S75372W02	ELY., 100μF / 10V	□ E303	23S75372W05	ELY., 22μF / 16V
C211	08S53332F47	CP., 0.01μF	○ E304	23S75372W14	ELY., 0.68μF / 50V
E211	23S75372W07	ELY., 47μF / 16V	□ E304	23S75372W14	ELY., 0.68μF / 50V
C212	08T15807W05	CP., 0.1μF	○ E305	23S75372W14	ELY., 0.68μF / 50V
E212	23S75372W15	ELY., 1μF / 50V	□ E305	23S75372W14	ELY., 0.68μF / 50V
C213	08T65020W07	CP., 0.15μF	C501	08S65128F69	CP., 0.01μF
C214	08T65020W07	CP., 0.15μF	C503	08S65128F35	CP., 100pF
C215	08T65020W07	CP., 0.15μF	○ C504	08T55390W07	PF., 1500pF
E215	23S75372W04	ELY., 10μF / 16V	● C504	08T55390W07	PF., 1500pF
C216	08T65020W07	CP., 0.15μF	C505	08S65128F57	CP., 1000pF
C217	08T65020W07	CP., 0.15μF	● C506	08S65128F35	CP., 100pF
E217	23S75372W15	ELY., 1μF / 50V	▲ C506	08S65128F35	CP., 100pF
C218	08T65020W07	CP., 0.15μF	■ C506	08S65128F35	CP., 100pF
C219	08T65020W07	CP., 0.15μF	● C507	08S53332F23	CP., 100pF
C220	08T65020W07	CP., 0.15μF	▲ C507	08S53332F23	CP., 100pF
C221	08T15807W05	CP., 0.1μF	■ C507	08S53332F23	CP., 100pF
E222	23S75372W15	ELY., 1μF / 50V	C508	08S53332F23	CP., 100pF
E223	23S75372W14	ELY., 0.68μF / 50V	C509	08S53332F23	CP., 100pF
E224	23S75372W14	ELY., 0.68μF / 50V	○ C510	08S65480F61	CER., 0.01μF
E225	23S75372W04	ELY., 10μF / 16V	● C510	08S65480F61	CER., 0.01μF
E227	23S75372W04	ELY., 10μF / 16V	E510	23S75372W13	ELY., 0.47μF / 50V
E228	23S75372W04	ELY., 10μF / 16V	C511	08S65128F47	CP., 330pF
E229	23S75372W04	ELY., 10μF / 16V	C515	08S65128F57	CP., 1000pF
E230	23S75372W04	ELY., 10μF / 16V	C517	08S65128F69	CP., 0.01μF
E231	23S75372W04	ELY., 10μF / 16V	C518	08S65128F19	CP., 22pF
E232	23S75372W04	ELY., 10μF / 16V	C519	08S65128F19	CP., 22pF
E233	23S75372W04	ELY., 10μF / 16V	C520	08S53332F23	CP., 100pF
E234	23S75372W04	ELY., 10μF / 16V	E520	23S16086W01	ELY., 220μF / 10V
E235	23S75372W04	ELY., 10μF / 16V	C521	08S53332F23	CP., 100pF
E236	23S75372W04	ELY., 10μF / 16V	E801	23S75373W13	ELY., 1μF / 50V
E237	23T55405W15	ELY., 1μF / 50V	E802	23S75373W07	ELY., 4.7μF / 35V
E238	23T55405W15	ELY., 1μF / 50V	E803	23T35463W26	ELY., 330μF / 16V
E239	23T55405W15	ELY., 1μF / 50V	E804	23S75373W02	ELY., 10μF / 16V
E240	23T55405W15	ELY., 1μF / 50V	C806	08T15399W01	CP., 0.022μF
E241	23T55405W01	ELY., 10μF / 16V	E807	23S75373W08	ELY., 0.1μF / 50V
E242	23T55405W01	ELY., 10μF / 16V	E809	23S75373W02	ELY., 10μF / 16V
E243	23T55405W01	ELY., 10μF / 16V	E811	23S16086W01	ELY., 220μF / 10V
E244	23T55405W01	ELY., 10μF / 16V			
E245	23T94181F40	ELY., 220μF / 10V			
E246	23T94181F40	ELY., 220μF / 10V			

Notes : ○ : For TDM-7529T Model Only,

● : For TDM-7526T Model Only,

■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,

▲ : For TDM-7526W Model Only,

Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
<b>Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)</b>					
R002	06S53330F53	1K ohm 1/8W	R156	06S64995F53	1K ohm
R005	06S64995F65	3.3K ohm	R157	06S64995F53	1K ohm
R006	06S64995F53	1K ohm	○ R158	06S53330F77	10K ohm 1/8W
R007	06S64995F65	3.3K ohm	□ R158	06S53330F77	10K ohm 1/8W
R008	06S64995F53	1K ohm	○ R159	06S53330F77	10K ohm 1/8W
R009	06S64995F05	10 ohm	□ R159	06S53330F77	10K ohm 1/8W
R010	06S64995F49	680 ohm	○ R160	06S64996F18	470K ohm
R011	06S64995F81	15K ohm	□ R160	06S64996F18	470K ohm
R013	06S64995F75	8.2K ohm	○ R161	06S64996F18	470K ohm
R014	06S53330F71	5.6K ohm 1/8W	□ R161	06S64996F18	470K ohm
○ R016	06S64996F02	100K ohm	○ R162	06S64996F10	220K ohm
□ R018	06S64995F83	18K ohm	□ R162	06S64996F10	220K ohm
● R018	06S64995F83	18K ohm	○ R163	06S64995F69	4.7K ohm
▲ R018	06S64995F81	15K ohm	□ R163	06S64995F69	4.7K ohm
■ R018	06S64995F81	15K ohm	○ R164	06S64995F77	10K ohm
○ R019	06S64995F83	18K ohm	□ R164	06S64995F77	10K ohm
□ R019	06S64995F83	18K ohm	○ R165	06S64995F77	10K ohm
● R019	06S64995F81	15K ohm	□ R165	06S64995F77	10K ohm
▲ R019	06S64995F81	15K ohm	○ R166	06S70072F53	1K ohm 1/4W
■ R019	06S64995F81	15K ohm	□ R166	06S70072F53	1K ohm 1/4W
○ R200	06S64995F61	2.2K ohm	○ R167	06S70072F53	1K ohm 1/4W
○ R201	06S64995F61	2.2K ohm	□ R167	06S70072F53	1K ohm 1/4W
○ R202	06S64995F93	47K ohm	○ R168	06S70072F53	1K ohm 1/4W
○ R203	06S64995F97	68K ohm	□ R168	06S70072F53	1K ohm 1/4W
R100	06S70072F57	1.5K ohm 1/4W	○ R202	06S64995F57	1.5K ohm
R101	06S70072F57	1.5K ohm 1/4W	□ R203	06S53330F53	1K ohm 1/8W
R102	06S64995F77	10K ohm	○ R204	06S64995F53	1K ohm 1/8W
R103	06S64996F02	100K ohm	□ R204	06S64995F53	1K ohm
R104	06S64995F91	39K ohm	R206	06S53330F53	1K ohm 1/8W
R109	06S64996F04	120K ohm	R207	06S53330F53	1K ohm 1/8W
R110	06S64996F04	120K ohm	R224	06S64995F77	10K ohm
R111	06S64995F69	4.7K ohm	R225	06S64995F77	10K ohm
R112	06S64995F69	4.7K ohm	R226	06S64995F77	10K ohm
R113	06S64995F21	47 ohm	R227	06S64995F77	10K ohm
R114	06S64995F21	47 ohm	R228	06S64995F88	30K ohm
R116	06S70072F78	2.2 ohm 1/4W	R229	06S64995F88	30K ohm
R117	06S64995F71	5.6K ohm	R230	06S64995F88	30K ohm
R118	06S53330F71	5.6K ohm 1/8W	R231	06S53330F88	30K ohm 1/8W
R119	06S64996F02	100K ohm	○ R242	06S64995F93	47K ohm
R120	06S64996F02	100K ohm	□ R242	06S64995F93	47K ohm
R122	06S64995F77	10K ohm	○ R243	06S64995F93	47K ohm
● R151	06S64995F77	10K ohm	□ R243	06S64995F93	47K ohm
▲ R151	06S64995F77	10K ohm	○ R244	06S64995F37	220 ohm
■ R151	06S64995F77	10K ohm	□ R244	06S64995F37	220 ohm
● R152	06S64995F77	10K ohm	○ R245	06S64995F37	220 ohm
▲ R152	06S64995F77	10K ohm	□ R245	06S64995F37	220 ohm
■ R152	06S64995F77	10K ohm	R246	06S64995F37	220 ohm
			R247	06S53330F37	220 ohm 1/8W

Notes : ○ : For TDM-7529T Model Only,  
 ● : For TDM-7526T Model Only,  
 ■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,  
 ▲ : For TDM-7526W Model Only,  
 Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R248	06S53330F37	220 ohm 1/8W	R527	06S64995F85	22K ohm
R249	06S53330F37	220 ohm 1/8W	R531	06S64995F93	47K ohm
R254	06S64995F67	3.9K ohm	R532	06S64995F93	47K ohm
R255	06S64995F67	3.9K ohm	R537	06S64995F77	10K ohm
R256	06S64995F67	3.9K ohm	R538	06S64995F77	10K ohm
R257	06S64995F67	3.9K ohm	R548	06S64995F85	22K ohm
R260	06S64995F65	3.3K ohm	R549	06S64995F85	22K ohm
R261	06S64995F65	3.3K ohm	R550	06S64995F85	22K ohm
R262	06S64995F61	2.2K ohm	R551	06S64995F37	220 ohm
R263	06S64995F61	2.2K ohm	R552	06S64995F53	1K ohm
R264	06S64995F61	2.2K ohm	R553	06S64995F53	1K ohm
R265	06S64995F61	2.2K ohm	R559	06S53331F02	100K ohm 1/8W
R266	06S64995F57	1.5K ohm	R561	06S64995F53	1K ohm
R267	06S64995F57	1.5K ohm	● R561	06S64995F53	1K ohm
R268	06S64995F57	1.5K ohm	R801	06S70072F04	8.2 ohm 1/4W
R269	06S64995F57	1.5K ohm	R802	06S64995F75	8.2K ohm
R270	06S53331F40	2.2 ohm 1/8W	R807	06S70072F61	2.2K ohm 1/4W
R271	06S53331F40	2.2 ohm 1/8W	R811	06S64996F02	100K ohm
R272	06S53331F40	2.2 ohm 1/8W	R812	06S64995F77	10K ohm
R273	06S53331F40	2.2 ohm 1/8W	R813	06S70072F53	1K ohm 1/4W
R274	06S53331F40	2.2 ohm 1/8W	R816	06S53330F77	10K ohm 1/8W
R275	06S53331F40	2.2 ohm 1/8W	R818	06S64995F77	10K ohm
R276	06S53331F40	2.2 ohm 1/8W	R819	06S70072F61	2.2K ohm 1/4W
R277	06S53331F40	2.2 ohm 1/8W	R820	06S64995F77	10K ohm
R291	06S64995F87	27K ohm	R821	06S70072F03	6.8 ohm 1/4W
○ R292	06S64995F87	27K ohm	R822	06S70072F03	6.8 ohm 1/4W
○ R295	06S64995F57	1.5K ohm	R823	06S64995F77	10K ohm
□ R295	06S64995F57	1.5K ohm	R824	06S64995F77	10K ohm
○ R296	06S64995F53	1K ohm	R825	06S70072F57	1.5K ohm 1/4W
□ R296	06S64995F53	1K ohm	R828	06S53330F77	10K ohm 1/8W
● R300	06S70072F53	1K ohm 1/4W	R830	06S70072F03	6.8 ohm 1/4W
▲ R300	06S70072F53	1K ohm 1/4W	R831	06S70072F57	1.5K ohm 1/4W
■ R300	06S70072F53	1K ohm 1/4W	R832	06S70072F61	2.2K ohm 1/4W
○ R301	06S64995F92	43K ohm	R833	06S70072F57	1.5K ohm 1/4W
□ R301	06S64995F92	43K ohm	R834	06S70072F57	1.5K ohm 1/4W
○ R302	06S64995F85	22K ohm	R835	06S70072F57	1.5K ohm 1/4W
□ R302	06S64995F85	22K ohm	R836	06S64995F77	10K ohm
○ R303	06S64996F30	2.2M ohm	R837	06S70072F53	1K ohm 1/4W
□ R303	06S64996F30	2.2M ohm	○ VR101	18T45241W13	Variable, 10K ohm
○ R304	06S64996F30	2.2M ohm	□ VR101	18T45241W13	Variable, 10K ohm
□ R304	06S64996F30	2.2M ohm	○ VR102	18T45241W13	Variable, 10K ohm
R509	06S64995F77	10K ohm	□ VR102	18T45241W13	Variable, 10K ohm
R510	06S64995F77	10K ohm	○ VR501	18T81060F04	Variable, 330 ohm
R520	06S64995F95	56K ohm	● VR501	18T81060F04	Variable, 330 ohm
R521	06S53330F77	10K ohm 1/8W			
R522	06S53330F89	33K ohm 1/8W			
R523	06S64995F89	33K ohm			
R524	06S53330F77	10K ohm 1/8W			
R525	06S53330F77	10K ohm 1/8W			
R526	06S53330F77	10K ohm 1/8W			

Notes : ○ : For TDM-7529T Model Only,  
 ● : For TDM-7526T Model Only,  
 ■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,  
 ▲ : For TDM-7526W Model Only,  
 Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
<b>Front P . C . Board</b>					
<b>IC</b>					
	IC402	51T83905F03	LC7582W		
<b>Diodes</b>					
D401	48T64134F01	CP., DA204K	S413	40T75234W01	Tact, SKQNAC (D.A.P.)
D402	48T64134F01	CP., DA204K	S414	40T75234W01	Tact, SKQNAC (TUNER / BAND)
D403	48T64134F01	CP., DA204K	S415	40T75234W01	Tact, SKQNAC (DISC · PLAY / PAUSE)
D404	48T64134F01	CP., DA204K	S416	40T75234W01	Tact, SKQNAC (M4)
ZD401	48T45012W29	Zener, MTZJ6.2A	S417	40T75234W01	Tact, SKQNAC (M5)
S418	40T75234W01	Tact, SKQNAC (M6)			
<b>Switches</b>					
○ S401	40T55656W03	CP. Tact, SKQMAJ (PWR / INTLZ)	PL401	65T75231W01	9V-85mA
□ S401	40T55656W03	CP. Tact, SKQMAJ (PWR)	PL403	65T75233W01	CP., 6V-80mA
● S401	40T55656W03	CP. Tact, SKQMAJ (PWR / INTLZ)	PL404	65T75233W01	CP., 6V-80mA
▲ S401	40T55656W03	CP. Tact, SKQMAJ (PWR)	PL405	65T75233W01	CP., 6V-80mA
■ S401	40T55656W03	CP. Tact, SKQMAJ (PWR)	PL406	65T75233W01	CP., 6V-80mA
S402	40T75234W01	Tact, SKQNAC (TUNE / A. MEMO)	PL407	65T75233W01	CP., 6V-80mA
○ S403	40T75234W01	Tact, SKQNAC (D.A.P./M.I.X.)			
□ S403	40T75234W01	Tact, SKQNAC (M.I.X.)			
● S403	40T75234W01	Tact, SKQNAC (D.A.P./M.I.X.)			
▲ S403	40T75234W01	Tact, SKQNAC (M.I.X.)			
■ S403	40T75234W01	Tact, SKQNAC (M.I.X.)			
S404	40T75234W01	Tact, SKQNAC (RM / RPT)			
S405	40T75234W01	Tact, SKQNAC (M.S. CD · DN)			
S406	40T75234W01	Tact, SKQNAC (M.S. CD · UP)			
S407	40T75234W01	Tact, SKQNAC (DOWN)			
S408	40T75234W01	Tact, SKQNAC (MODE / LOUD)			
S409	40T75234W01	Tact, SKQNAC (UP)			
○ S410	40T75234W01	Tact, SKQNAC (M1 / DOLBY)			
□ S410	40T75234W01	Tact, SKQNAC (M1 / DOLBY)			
● S410	40T75234W01	Tact, SKQNAC (M1)			
▲ S410	40T75234W01	Tact, SKQNAC (M1)			
■ S410	40T75234W01	Tact, SKQNAC (M1)			
○ S411	40T75234W01	Tact, SKQNAC (M2 / M.S.)	E401	23S61523F05	ELY., 22μF / 6.3V
□ S411	40T75234W01	Tact, SKQNAC (M2 / M.S.)	C402	08S82122F57	CP., 680pF
● S411	40T75234W01	Tact, SKQNAC (M2)	C403	08T15399W03	CP., 0.047μF
▲ S411	40T75234W01	Tact, SKQNAC (M2)	C404	08S65128F76	CP., 0.1μF
■ S411	40T75234W01	Tact, SKQNAC (M2)	C405	08T15399W03	CP., 0.047μF
S412	40T75234W01	Tact, SKQNAC (M3 / METAL)			
○ S413	40T75234W01	Tact, SKQNAC (SDK)	R401	06S64995F85	22K ohm
□ S413	40T75234W01	Tact, SKQNAC (D.A.P.)	R402	06S64995F61	2.2K ohm
● S413	40T75234W01	Tact, SKQNAC (SDK)	R403	06S64995F61	2.2K ohm
▲ S413	40T75234W01	Tact, SKQNAC (D.A.P.)	R404	06S64995F61	2.2K ohm
S414	40T75234W01	Tact, SKQNAC (D.A.P.)	R405	06S64995F61	2.2K ohm
<b>Lamps</b>					
○ S403	40T75234W01	Tact, SKQNAC (D.A.P./M.I.X.)			
□ S403	40T75234W01	Tact, SKQNAC (M.I.X.)			
● S403	40T75234W01	Tact, SKQNAC (D.A.P./M.I.X.)			
▲ S403	40T75234W01	Tact, SKQNAC (M.I.X.)			
■ S403	40T75234W01	Tact, SKQNAC (M.I.X.)			
<b>LED</b>					
LD401	48T65477W03	CP., SML-010PT (GRN)			
<b>Capacitors</b>					
E401	23S61523F05	ELY., 22μF / 6.3V			
C402	08S82122F57	CP., 680pF			
C403	08T15399W03	CP., 0.047μF			
C404	08S65128F76	CP., 0.1μF			
C405	08T15399W03	CP., 0.047μF			
<b>Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)</b>					
R401	06S64995F85	22K ohm			
R402	06S64995F61	2.2K ohm			
R403	06S64995F61	2.2K ohm			
R404	06S64995F61	2.2K ohm			
R405	06S64995F61	2.2K ohm			
R406	06S64995F65	3.3K ohm			
R411	06S64995F61	2.2K ohm			
R412	06S64995F65	3.3K ohm			
R413	06S64995F71	5.6K ohm			
R414	06S64995F79	12K ohm			

**Notes :** ○ : For TDM-7529T Model Only,  
 ● : For TDM-7526T Model Only,  
 ■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,  
 ▲ : For TDM-7526W Model Only,  
 Others : Common.

Symbol No.	Part No.	Description
R415	06S64995F89	33K ohm
R416	06S64995F61	2.2K ohm
R417	06S64995F65	3.3K ohm
R418	06S64995F71	5.6K ohm
R419	06S64995F79	12K ohm
R420	06S64995F89	33K ohm
R421	06S64995F61	2.2K ohm
R422	06S64995F65	3.3K ohm
R423	06S64995F71	5.6K ohm
R424	06S64995F79	12K ohm
R425	06S64995F89	33K ohm
R431	06S70072F13	22 ohm 1/4W
R432	06S70072F14	24 ohm 1/4W
R434	06S70072F13	22 ohm 1/4W
R435	06S70072F14	24 ohm 1/4W
R437	06S70072F14	24 ohm 1/4W
R438	06S70072F14	24 ohm 1/4W
R439	06S70072F14	24 ohm 1/4W
R440	06S70072F13	22 ohm 1/4W
R441	06S70072F13	22 ohm 1/4W
R442	06S70072F57	1.5K ohm 1/4W
R443	06S70072F55	1.2K ohm 1/4W
R451	06S64995F77	10K ohm
R452	06S64995F77	10K ohm
R453	06S64995F77	10K ohm
R454	06S64995F77	10K ohm
R455	06S64995F93	47K ohm

## SDK P. C. Board (○, ●)

## IC

IC501	51T55490W01	TDA1581T
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## Transistor

Q502	48T52438F01	CP., 2SD601A
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## Capacitors

C501	08T55390W27	TF, ELY.,	0.068μF 4.7μF / 35V
E501	23S75373W07	TF, ELY.,	0.068μF
C502	08T55390W27	TF, ELY.,	0.1μF / 50V
E502	23S75373W08	TF, ELY.,	0.068μF
C503	08T55390W27	TF, ELY.,	1μF / 50V
E503	23S75372W15	ELY.,	0.1μF / 50V
E504	23S75373W08	ELY.,	

Notes : ○ : For TDM-7529T Model Only,  
● : For TDM-7526T Model Only,  
■ : For TDM-7526F Model Only,

Symbol No.	Part No.	Description
C505	08T55390W26	TF, 0.056μF
C506	08T55390W23	TF, 0.033μF
C507	08T55390W25	TF, 0.047μF
C528	08T55390W25	TF, 0.047μF
C529	08T55390W29	TF, 0.1μF
Resistors (All resistors are chip 1/10W ± 5% unless otherwise noted.)		
R501	06S64996F10	220K ohm
R502	06S64995F43	390 ohm
R503	06S64996F22	680K ohm
R504	06S64996F02	100K ohm
R505	06S64995F69	4.7K ohm
R506	06S53330F69	4.7K ohm 1/8W
R507	06S64995F97	68K ohm
R508	06S64995F93	47K ohm
R511	06S64996F22	680K ohm
R512	06S64996F04	120K ohm
R513	06S64995F97	68K ohm
R514	06S64995F77	10K ohm
R515	06S64996F10	220K ohm
R516	06S64995F91	39K ohm
R517	06S64995F77	10K ohm
R518	06S64995F97	68K ohm

## Miscellaneous

○ ET201	CB401	09T55607W13	17Pin Connector
○ ET201	CH401	09T55608W17	17Pin Connector
○ ET201	ET001	09T55211W01	Antenna Receptacle
○ ET201	ET201	01T55244W05	Remote Turn-On / Rear Output
□ ET201	ET201	01T55244W05	RCA Connector
○ ET201	ET201	01T75187W02	Remote Turn-On / Rear Output
● ET201	ET201	01T75187W02	RCA Connector
▲ ET201	ET201	01T75187W02	Remote Turn-On
■ ET201	ET201	01T75187W02	Remote Turn-On
ET801	ET801	01T75292W01	Assy., ISO Connector (OPEN / SPEAKER / POWER) Head
HD1101	HD1101	88E20705S01	DIN Connector
JK502	JK502	09T16653W01	LCD Display
LCD401	LCD401	65T75144W01	Assy., Motor
M1501	M1501	01E20699S01	Switch, Slide (FWD / REV)
S1501	S1501	40E20707S01	Switch, Leaf (MUTE)
S1502	S1502	40E20709S01	
S1503	S1503	40E20706S01	Switch (POWER)
○ SD1501	SD1501	47E20710S01	Solenoid
□ SD1501	SD1501	47E20710S01	Solenoid

□ : For TDM-7529F Model Only,

▲ : For TDM-7526W Model Only,

Others : Common.

# Cabinet Assembly Parts List

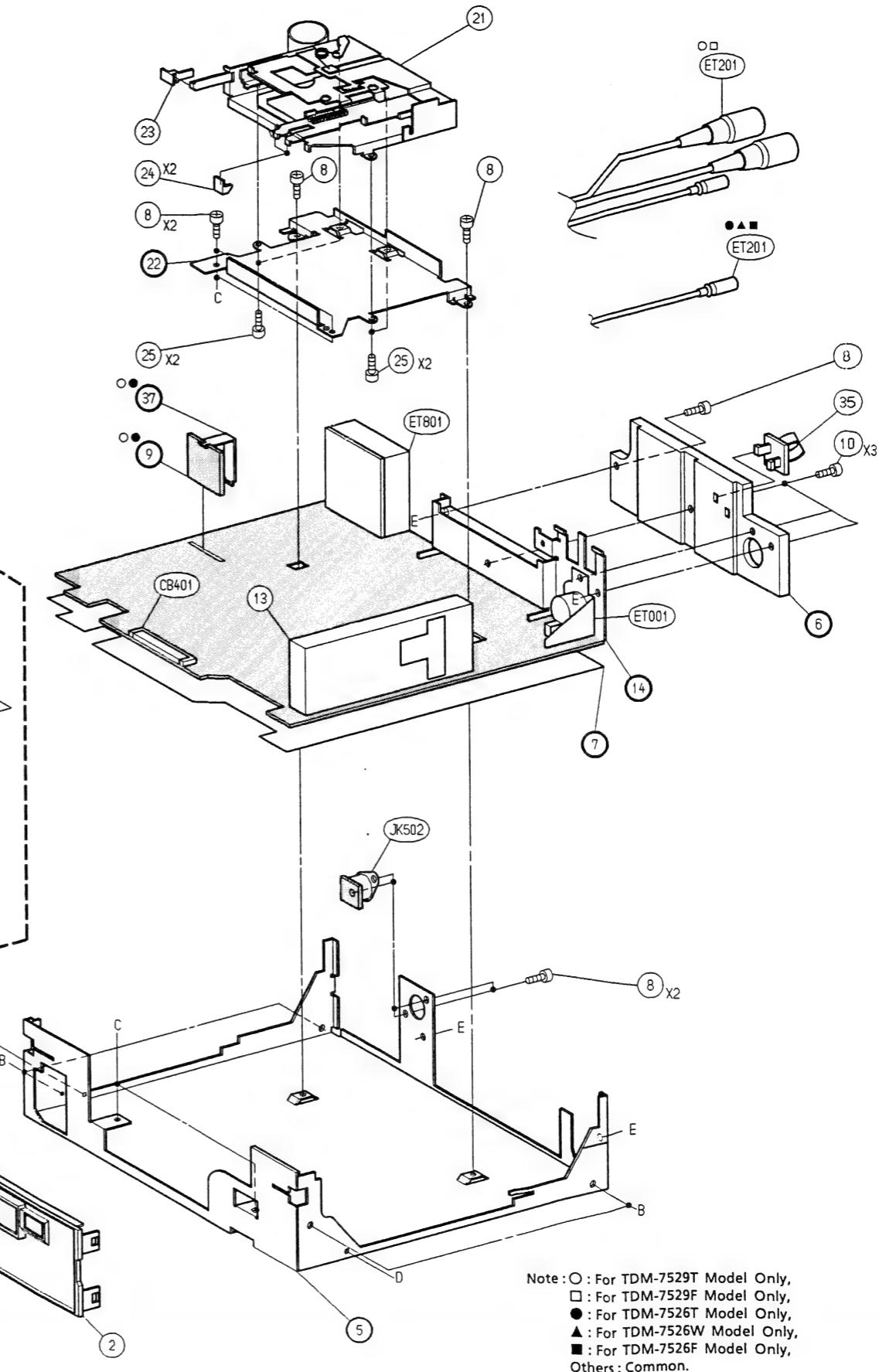
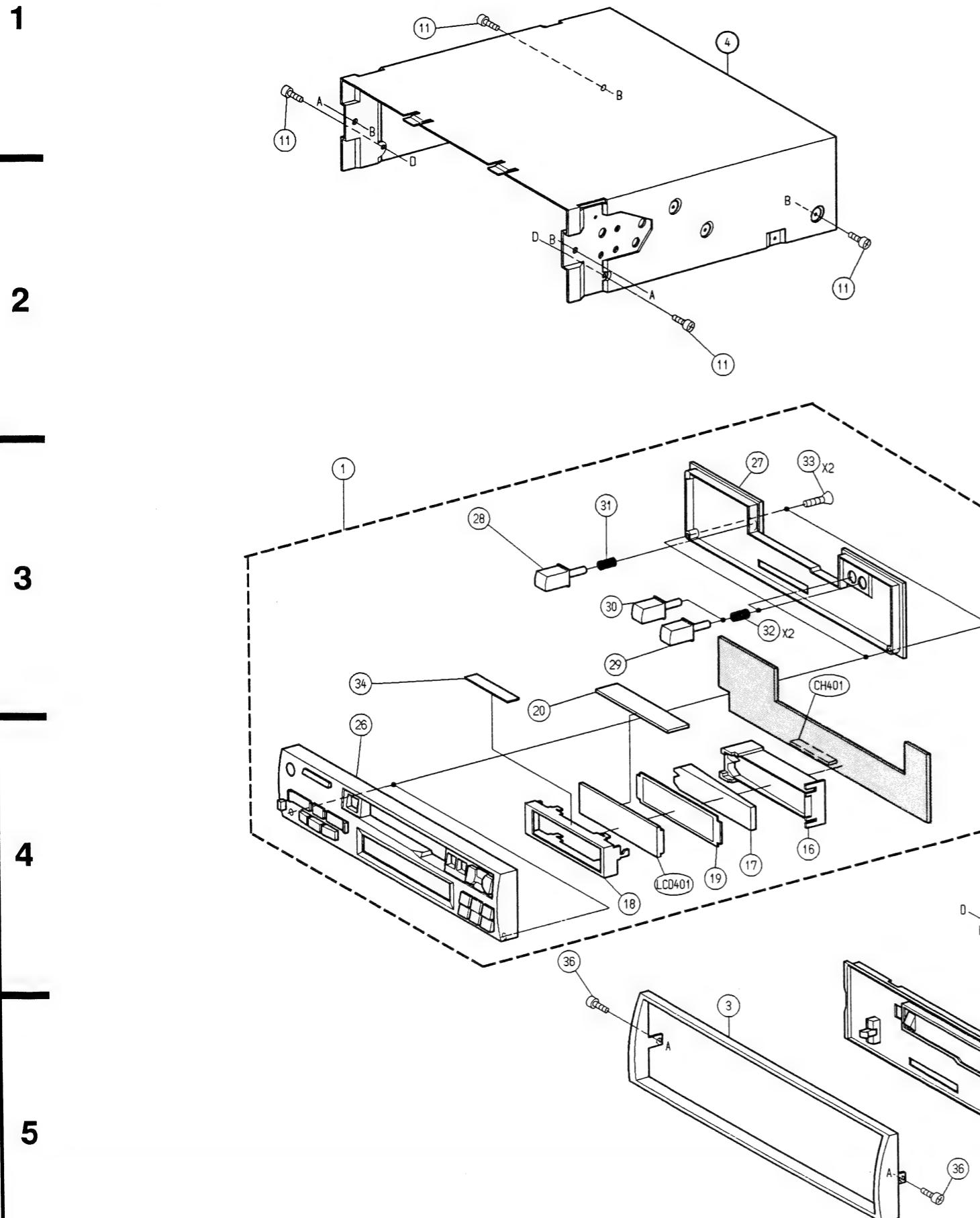
Note : No parts number on parts list are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
○	1	3-B 01V73200W31	Assy., Nose Unit		34	3-B 14S0144KJW16	Insulator Cover
□	1	3-B 01V73200W36	Assy., Nose Unit		35	2-G 15A70387W01	Holder, Antenna
●	1	3-B 01V71800W07	Assy., Nose Unit		36	03S38013W13	Screw, Bind (M2.6×6)
▲	1	3-B 01V71700W73	Assy., Nose Unit				
■	1	3-B 01V71700W69	Assy., Nose Unit				
	2	5-E 13C70269W01	Assy., Front Escutcheon				
	3	5-C 33C70276W01	Assy., Face Plate				
	8	03S44205G29	Screw, Pan (M2.6×6)				
	10	2-G 03S38013W02	Screw, Pan (M2.6×14)				
	11	03S38013W24	Screw, Pan (M2.6×6)				
○	13	3-E 77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
□	13	3-E 77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
●	13	3-E 77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
▲	13	3-E 77B70363W01	FM/LW Tuner Unit, MB4R4020 (FE001)				
■	13	3-E 77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
	16	4-D 15B70308W01	Case, LCD				
	17	4-C 61A70307W01	Lens, LCD				
	18	4-C 15B70310W01	Cover, LCD				
	19	4-C 26A70309W01	Reflector, Sheet				
	20	3-C 75T75143W01	Rubber, Connector				
○	21	1-F 81T65046W01	Cassette Deck, GS75A020				
□	21	1-F 81T65046W01	Cassette Deck, GS75A020				
●	21	1-F 81T65045W01	Cassette Deck, GS75A010				
▲	21	1-F 81T65045W01	Cassette Deck, GS75A010				
■	21	1-F 81T65045W01	Cassette Deck, GS75A010				
	23	1-E 36A71255W01	Knob, Deck (EJECT)				
	24	2-E 36T00356K01	Knob, Deck (FF / REW)				
	25	03S44205G30	Screw, Pan (M2.6×4)				
○	26	4-B 13D70253W09	Assy., Nosepiece				
□	26	4-B 13D70253W10	Assy., Nosepiece				
●	26	4-B 13D70253W05	Assy., Nosepiece				
▲	26	4-B 13D70253W07	Assy., Nosepiece				
■	26	4-B 13D70253W06	Assy., Nosepiece				
	27	3-C 13D70268W01	Nose, Bottom				
	28	3-B 36B70264W01	Knob, EJECT				
	29	3-C 36B70265W01	Knob, FF				
	30	3-C 36B70265W01	Knob, REW				
	31	3-C 41A70267W01	Spring, EJECT				
	32	3-C 41A70267W02	Spring, FF / REW				
	33	3-D 03S68555F39	Screw, Countersink (M1.7×10)				

Notes : ○ : For TDM-7529T Model Only,  
 ● : For TDM-7526T Model Only,  
 ■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,  
 ▲ : For TDM-7526W Model Only,  
 Others : Common.

## Exploded View (Cabinet)



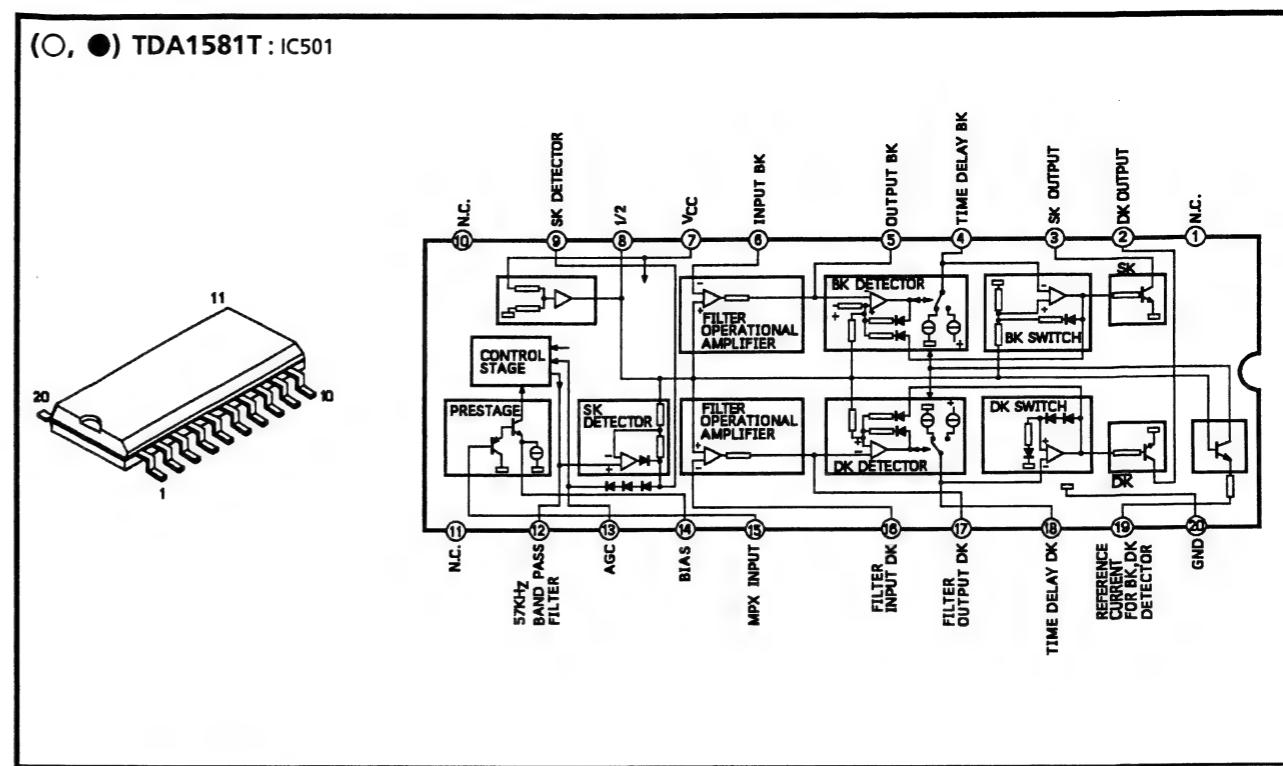
Note : ○ : For TDM-7529T Model Only,  
 □ : For TDM-7529F Model Only,  
 ● : For TDM-7526T Model Only,  
 ▲ : For TDM-7526W Model Only,  
 ■ : For TDM-7526F Model Only,  
 Others : Common.

## Packing Assembly Parts List

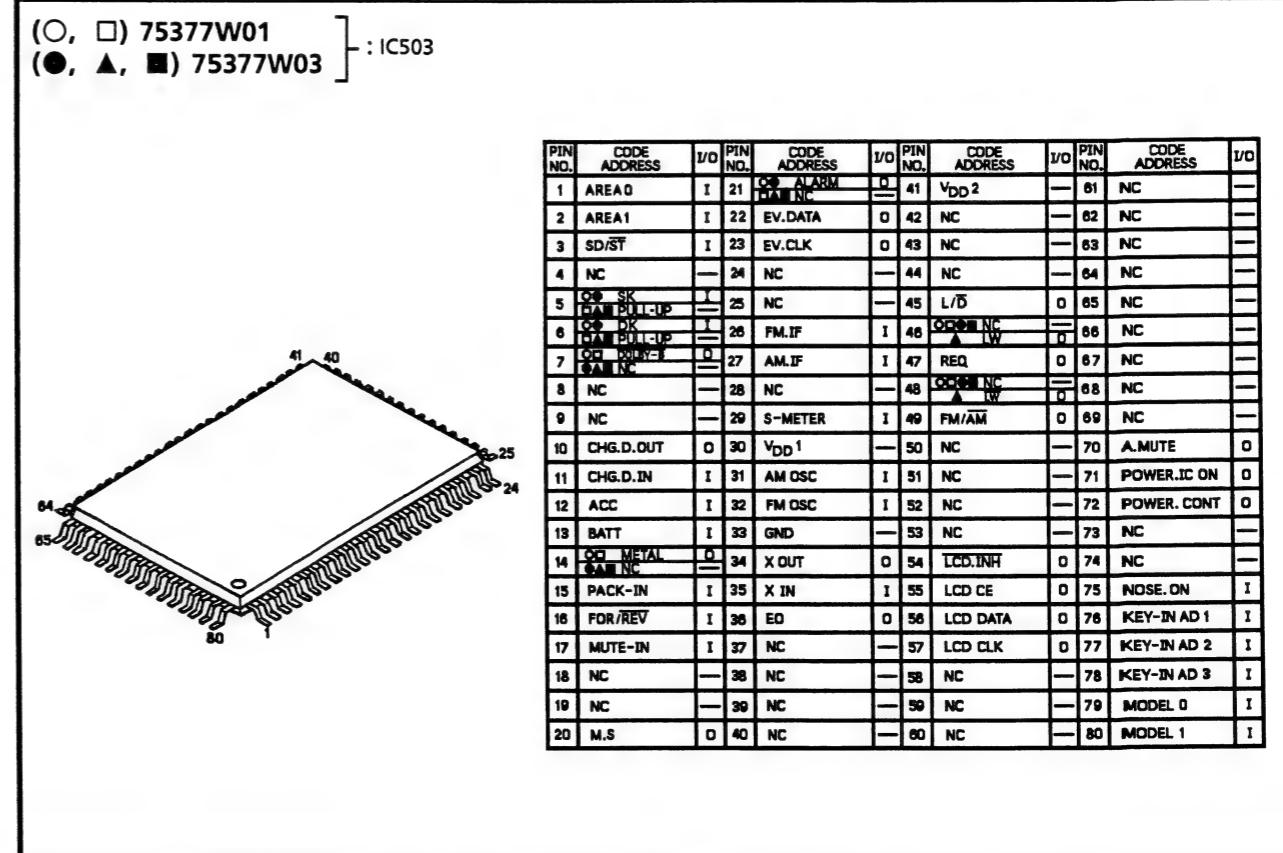
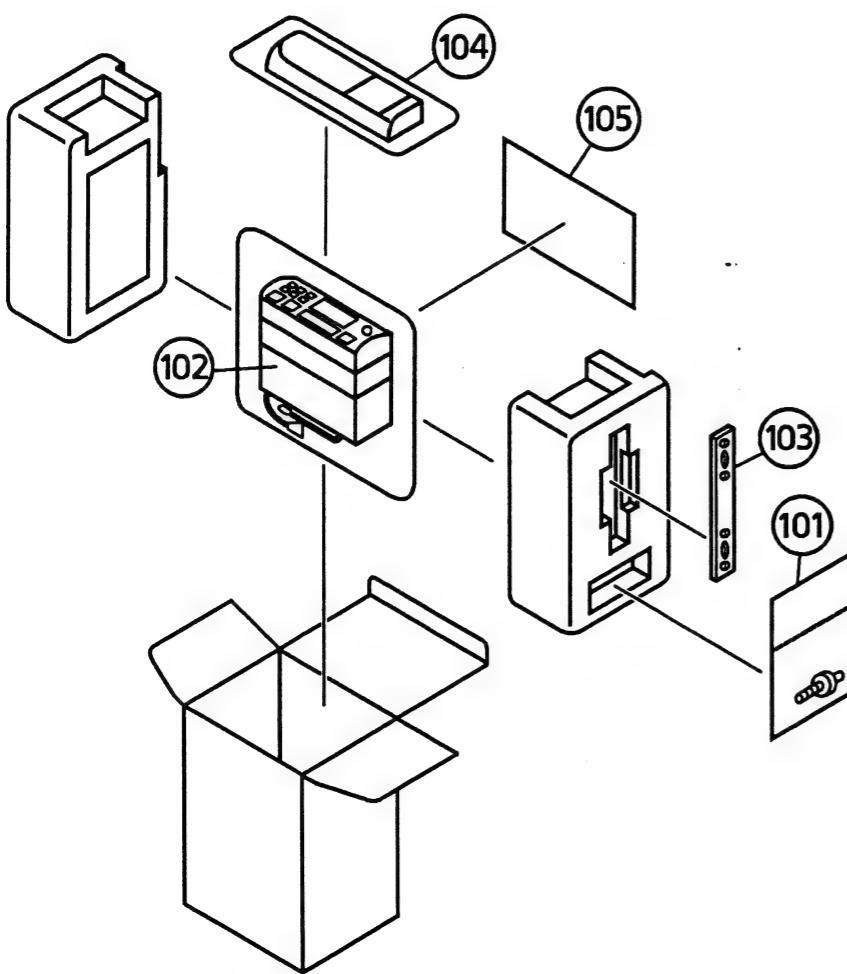
Symbol No.	Part No.	Description
101-1	02B47353F01	Nut, Hex. (M5)
101-2	03S72235F13	Screw, Countersink (M5×8)
101-3	46A42363F01	Stud, Bolt
101-4	36A11113W01	Cap, Rubber
101-5	03A11112W01	Bolt, Hex. (M5×25)
101-6	01T75363W01	Antenna, Adapter
102	15D50406W01	Case, Inner
103	07B64552F01	Bracket, Strap Receiver
104	15D70318W01	Carrying Case
105	68P61329W39	Owner's Manual

Symbol No.	Part No.	Description

## Semi-Conductor Lead Identifications



## Packing Method View



PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O
1	AREA0	I	21	CHG.D. ALARM	O	41	V <sub>DD</sub> 2	—	61	NC	—
2	AREA1	I	22	EV.DATA	O	42	NC	—	62	NC	—
3	SD/ST	I	23	EV.CLK	O	43	NC	—	63	NC	—
4	NC	—	24	NC	—	44	NC	—	64	NC	—
5	SK	—	25	NC	—	45	L/D	O	65	NC	—
6	DK	—	26	FM.IF	I	46	LO.DNC	O	66	NC	—
7	AM.IF	—	27	AM.IF	I	47	REQ	O	67	NC	—
8	NC	—	28	NC	—	48	LO.DNC	O	68	NC	—
9	NC	—	29	S-METER	I	49	FM/AM	O	69	NC	—
10	CHG.D.OUT	O	30	V <sub>DD</sub> 1	—	50	NC	—	70	A.MUTE	O
11	CHG.D.IN	I	31	AM OSC	I	51	NC	—	71	POWER.IC ON	O
12	ACC	I	32	FM OSC	I	52	NC	—	72	POWER.CONT	O
13	BATT	I	33	GND	—	53	NC	—	73	NC	—
14	METAL	O	34	X OUT	O	54	LCD.INH	O	74	INC	—
15	PACK-IN	I	35	X IN	I	55	LCD CE	O	75	NOSE.ON	I
16	FOR/REV	I	36	ED	O	56	LCD DATA	O	76	KEY-IN AD 1	I
17	MUTE-IN	I	37	NC	—	57	LCD CLK	O	77	KEY-IN AD 2	I
18	NC	—	38	NC	—	58	NC	—	78	KEY-IN AD 3	I
19	NC	—	39	NC	—	59	NC	—	79	MODEL 0	I
20	M.S	O	40	NC	—	60	NC	—	80	MODEL 1	I

Note : ○ : For TDM-7529T Model Only,  
● : For TDM-7526T Model Only,  
■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,  
▲ : For TDM-7526W Model Only,  
Others : Common.

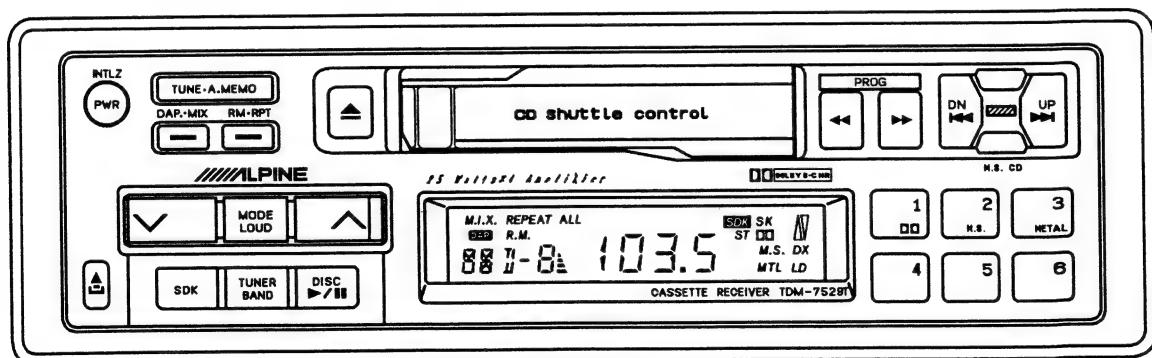
# ALPINE® SERVICE MANUAL

**TDM-7529T/7526T FM/MW/SDK Cassette Receiver**  
**TDM-7529F/7526F FM/MW Cassette Receiver**  
**TDM-7526W FM/LW Cassette Receiver**

## CD Shuttle Controller

### REVISED

- Serial Numbers after No. 50315001      for TDM-7529T Model Only  
                 No. 50418501      for TDM-7529F Model Only  
                 No. 50317001      for TDM-7526T Model Only  
                 No. 50424001      for TDM-7526F Model Only  
                 No. 50317001      for TDM-7526W Model Only
- The model described in this manual is developed from model TDM-7529T/7526T, TDM-7529F/7526F, TDM-7526W. For information that is not mentioned in this service manual, refer to the Service Manual • TDM-7529T/7526T, TDM-7529F/7526F, TDM-7526W (68E21803S01).
- For the cassette deck mechanism parts (GS75A010/020) of this model, refer to the Service Manual • GS Series (68P61027W01).



**TDM-7529T / 7526T**  
**TDM-7529F / 7526F**  
**TDM-7526W**

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Packing Assembly Parts List

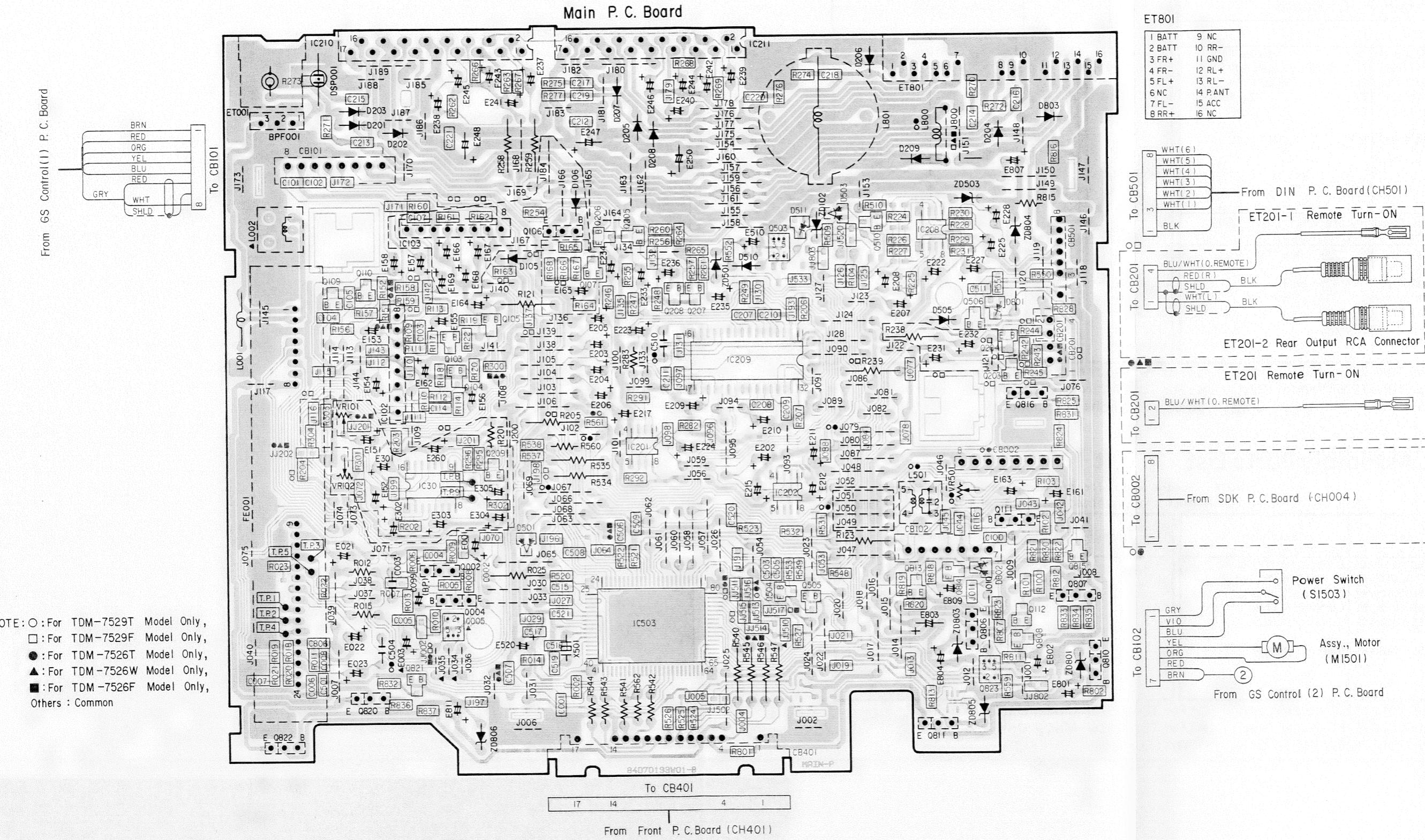
Packing Method View

Semi-Conductor Lead Identifications

Refer to the Service Manual • TDM-7529T/7526T,  
TDM-7529F/7526F, TDM-7526W (68E21803S01).

# Parts Layout on P.C. Boards and Wiring Diagram (1/2)

All P.C. Boards viewed from soldered side.



A

B - 3 -

C

D

E

F - 4 -

G

## Electrical Parts List

NOTE : For the parts not mentioned, refer to the Service Manual · for  
TDM-7529T / 7526T, TDM-7529F / 7526F, TDM-7526W (68E21803S01).

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
<b>Main P. C. Board</b>					
<b>Capacitors</b>					
C003	08T55390W23	TF, ELY., (B.P.)	0.033μF 2.2μF / 50V		
C099	23S82372F19	ELY.,	330μF / 16V		
E250	23T75479W26	CP.,	22pF		
C518	08S82122F21	CP.,	22pF		
C519	08S82122F21	ELY.,	330μF / 16V		
E803	23T75479W26				
<b>Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)</b>					
○ R282	06S53330F81	15K ohm			
□ R282	06S53330F81	15K ohm			
● R282	06S53330F79	12K ohm			
■ R282	06S53330F79	12K ohm			
▲ R282	06S53330F79	12K ohm			

NOTE : ○ : For TDM-7529T Model Only, □ : For TDM-7529F Model Only,  
● : For TDM-7526T Model Only, ■ : For TDM-7526F Model Only,  
▲ : For TDM-7526W Model Only, Others : Common.

## Cabinet Assembly Parts List

NOTE : For the parts not mentioned, refer to the Service Manual · for  
TDM-7529T / 7526T, TDM-7529F / 7526F, TDM-7526W (68E21803S01).

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
○ 24	2-E	36A71256W01	Knob, Deck (FF / REW)				
33	3-D	03S71677F56	Screw, Pan (M1.7×12)				
○ 38		75S30010W81	Cushion, Rubber				
□ 38		75S30010W81	Cushion, Rubber				
● 38		75S30010W81	Cushion, Rubber				
■ 38		75S30010W81	Cushion, Rubber				

NOTE : ○ : For TDM-7529T Model Only, □ : For TDM-7529F Model Only,  
● : For TDM-7526T Model Only, ■ : For TDM-7526F Model Only,  
▲ : For TDM-7526W Model Only, Others : Common.

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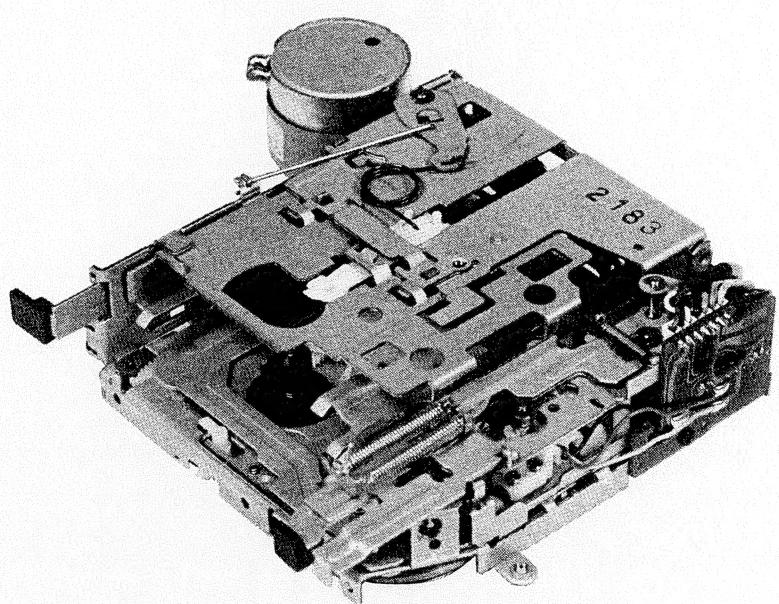
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# ALPINE® SERVICE MANUAL

## Cassette Deck Mechanism



**GS SERIES**

## Contents

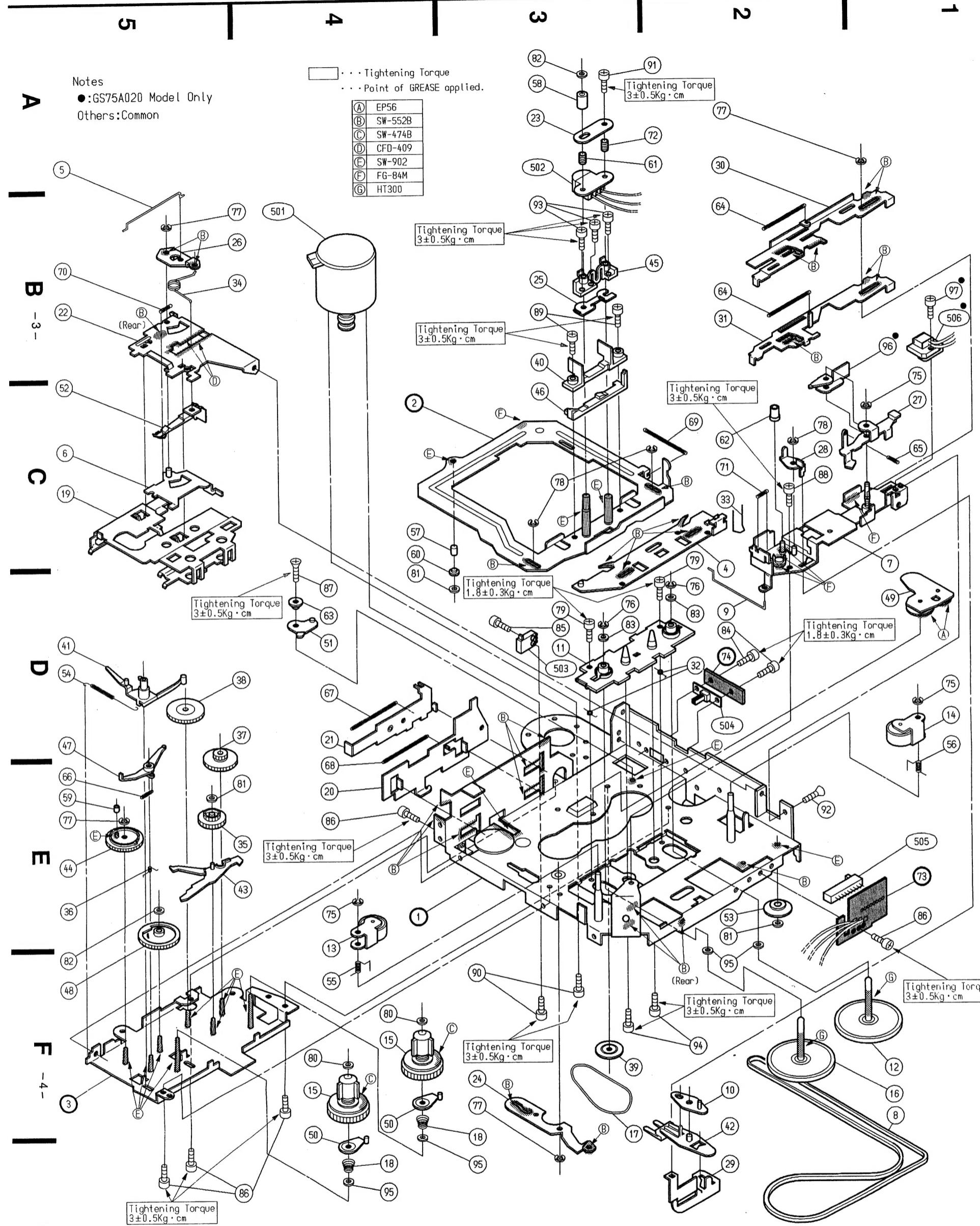
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# Exploded View (Cassette Deck Mechanism)

● GS75A010/020



# Cassette Deck Mechanism Assembly Parts List

Note : No parts number on parts list are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description	
4	2-C	01E20627S01	Assy., FR Changing Arm	50	4-F	01E20665S01	Assy., Detector Cam	
5	5-A	45E20697S01	Link, Return	51	4-D	45E20666S01	Arm, Mute (N)	
6	5-C	01E20628S01	Assy., Eject Cam Lock	52	5-C	45E20667S01	Hooker, Tape	
7	1-D	01E20629S01	Assy., Lever Bracket (D)	53	2-E	49E20668S01	Pulley, Idle (A)	
8	1-F	42E20696S01	Belt, Main (AL)	54	5-D	41E20688S01	Spring, Ratchet	
9	2-D	45E20695S01	Link, Selector (B)	55	4-F	41E20687S01	Spring, Pinch Arm (R)	
10	2-F	01E20630S01	Assy., FR Arm (A)	56	1-D	49E20686S01	Spring, Pinch Arm (F)	
11	3-D	01E20631S01	Assy., CM Bracket	57	4-C	49E20670S01	Roller, HP (B)	
12	1-F	01E20632S01	Assy., Flywheel (BF)	58	3-A	49E20734S01	FF Roller	
13	4-E	01E20633S01	Assy., Pinch Roller Arm (R)	●	3-A	49E20671S01	FF Roller	
○	14	1-D	01E20634S01	Assy., Pinch Roller Arm (F)	59	5-E	07E20672S01	Collar, Selector Gear
●	15	4-F	01E20733S01	Assy., Spindle Reel (S)	60	4-C	49E20673S01	Roller, HP (A)
15	4-F	01E20635S01	Assy., Spindle Reel (D)	61	2-A	41E20685S01	Spring, Adjuster Arm (B)	
16	1-F	01E20636S01	Assy., Flywheel (BR)	62	2-C	49E20674S01	Roller, Program	
17	3-F	42E20694S01	Belt, Sub (C)	63	4-D	43E20675S01	Collar, Mute Arm	
18		41E20693S01	Spring, Back Tension	64	2-B	41E20676S01	Spring, FF / REW Lever	
19	5-C	07E20637S01	Holder, Cassette (X)	65	1-C	41E20677S01	Spring, Lock Lever	
20	4-E	45E20638S01	Cam, Eject	66	5-E	41E20678S01	Spring, Gear Lock Arm	
21	4-D	45E20639S01	Lever, Eject	67	4-D	41E20679S01	Spring, Eject Lever	
22	5-B	45E20640S01	Hanger, Cassette (X)	68	4-E	41E20680S01	Spring, Eject Cam	
23	3-A	45E20641S01	Plate, Spring Support	69	2-C	41E20681S01	Spring, Head Plate	
24	3-F	45E20642S01	Lever, Reverse	70	5-B	41E20682S01	Spring, Eject Cam Lock	
25	3-B	45E20643S01	Shim, Adjuster (X)	71	2-C	41E20683S01	Spring, Program Arm	
26	4-B	45E20644S01	Plate, Center	72	2-A	41E20684S01	Spring, Adjuster Arm (A)	
27	1-C	45E20645S01	Arm, Lock (A)	75		42E20711S01	Ring, "E" (M1.5)	
28	2-C	45E20646S01	Lever, Change (B)	76		42E20712S01	Ring, "E" (M1.6)	
29	2-G	45E20647S01	Arm, FR (B)	77		42E20713S01	Ring, "E" (M2)	
30	2-A	45E20648S01	Lever, FF (AT)	78		42E20714S01	Ring, "E" (M2.5)	
31	2-B	45E20649S01	Lever, Rew (AT)	79		03E20715S01	Screw, Bind (M1.7×3)	
32	2-D	41E20692S01	Spring, Earth (R)	80	4-F	04E20716S01	Washer, Polyslider (M1.6)	
33	2-C	41E20691S01	Spring, Changing Arm	81		04E20717S01	Washer, Polyslider (M1.2)	
34	4-B	41E20690S01	Spring, Center Plate (B)	82		04E20718S01	Washer, Polyslider (M1.6)	
35	4-E	44E20651S01	Gear, Idle	83		04E20719S01	Washer, Polyslider (M2.1)	
36	5-E	41E20689S01	Spring, Dash	84	2-D	03E20720S01	Screw, Bind (M1.7×4)	
37	4-D	44E20652S01	Gear, Reduction (A)	85	3-D	03E20721S01	Screw, Bind (M1.7×6)	
38	4-D	44E20653S01	Gear, Reduction (B)	86		03E20722S01	Screw, Bind (M2×3)	
39	3-F	44E20654S01	Gear, Pulley	87	4-D	03E20723S01	Screw, Countersink (M2×4)	
40	3-B	43E20655S01	Guide, Tape	88	2-C	03E20724S01	Screw, Bind (M2×4)	
41	5-D	45E20656S01	Ratchet	89	3-B	03E20725S01	Screw, Bind (M2.7)	
42	2-F	45E20657S01	Arm, FF	90	3-F	03E20726S01	Screw, Bind (M2×2.5)	
43	4-E	45E20658S01	Arm, Sensor	91	2-A	03E20727S01	Screw, Bind (M2×4)	
44	5-E	44E20659S01	Gear, Selector	92	2-E	03E20728S01	Screw, Countersink (M2×3)	
45	2-B	45E20660S01	Arm, Adjuster (B)	93	3-B	03E20729S01	Screw, Flat (M2×5)	
46	3-C	45E20661S01	Link, Adjuster (X)	94	2-F	03E20730S01	Screw, Bind (M2×5)	
47	5-D	44E20662S01	Arm, Gear Lock	95		04E20731S01	Washer, Lock (M2.1)	
48	5-F	44E20663S01	Gear, Detector	●	96	1-B	45E20650S01	Arm, Release
49	1-D	01E20664S01	Assy., TU Gear Arm	●	97	1-B	03E20732S01	Screw, Bind (M2×6)

Notes : ○ : For GS75A010 Model Only,  
Others : Common.

● : For GS75A020 Model Only,

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
Miscellaneous							
501	4-B	01E20699S01	Assy., Motor Head				
502	3-A	88E20705S01	Switch, Power				
503	3-D	40E20706S01	Switch, Leaf				
504	2-D	40E20709S01	Switch, Slide				
505	1-E	40E20707S01	Solenoid				
●	506	1-B	47E20710S01				

Notes : ○ : For GS75A010 Model Only,  
Others : Common.

● : For GS75A020 Model Only,